```
NNN        NNN    CCCCCCCCCCC    PPPPPPPPPPP
NNN        NNN    CCCCCCCCCCC    PPPPPPPPPPP
NNN        NNN    CCCCCCCCCCC    PPPPPPPPPPP
NNN        NNN    CCC                PPP         PPP
NNN        NNN    CCC                PPP         PPP
NNN        NNN    CCC                PPP         PPP
NNNNNN     NNN    CCC                PPP         PPP
NNNNNN     NNN    CCC                PPP         PPP
NNNNNN     NNN    CCC                PPP         PPP
NNN   NNN  NNN    CCC            PPPPPPPPPPP
NNN   NNN  NNN    CCC            PPPPPPPPPPP
NNN   NNN  NNN    CCC            PPPPPPPPPPP
NNN     NNNNNN    CCC                PPP
NNN     NNNNNN    CCC                PPP
NNN     NNNNNN    CCC                PPP
NNN        NNN    CCC                PPP
NNN        NNN    CCC                PPP
NNN        NNN    CCC                PPP
NNN        NNN    CCCCCCCCCCC        PPP
NNN        NNN    CCCCCCCCCCC        PPP
NNN        NNN    CCCCCCCCCCC        PPP
```

```
NN      NN   CCCCCCCC  PPPPPPPP   TTTTTTTTTT   AAAAAA   BBBBBBBB   LL          EEEEEEEEEE   SSSSSSSS
NN      NN   CCCCCCCC  PPPPPPPP   TTTTTTTTTT   AAAAAA   BBBBBBBB   LL          EEEEEEEEEE   SSSSSSSS
NN      NN   CC        PP     PP      TT      AA    AA  BB     BB  LL          EE                 SS
NN      NN   CC        PP     PP      TT      AA    AA  BB     BB  LL          EE                 SS
NNNN    NN   CC        PP     PP      TT      AA    AA  BB     BB  LL          EE                 SS
NNNN    NN   CC        PP     PP      TT      AA    AA  BB     BB  LL          EE                 SS
NN  NN  NN   CC        PPPPPPPP       TT      AA    AA  BBBBBBBB   LL          EEEEEEE       SSSSSS
NN  NN  NN   CC        PPPPPPPP       TT      AA    AA  BBBBBBBB   LL          EEEEEEE       SSSSSS
NN    NNNN   CC        PP             TT    AAAAAAAAAA  BB     BB  LL          EE                 SS
NN    NNNN   CC        PP             TT    AAAAAAAAAA  BB     BB  LL          EE                 SS
NN      NN   CC        PP             TT      AA    AA  BB     BB  LL          EE                 SS
NN      NN   CC        PP             TT      AA    AA  BB     BB  LL          EE            ....  SS
NN      NN   CCCCCCCC  PP             TT      AA    AA  BBBBBBBB   LLLLLLLLLL  EEEEEEEEEE    .... SSSSSSSS
NN      NN   CCCCCCCC  PP             TT      AA    AA  BBBBBBBB   LLLLLLLLLL  EEEEEEEEEE    .... SSSSSSSS
```

```
LL              IIIIII      SSSSSSSS
LL              IIIIII      SSSSSSSS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II         SSSSSS
LL                II         SSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II              SS
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS
```

```
0001  0 %TITLE  'Text Tables'
0002  0 MODULE NCPTABLES (IDENT = 'V04-000', LIST(NOOBJECT)) =
0003  1 BEGIN
0004  1
0005  1 !
0006  1 !****************************************************************
0007  1 !*                                                            *
0008  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                   *
0009  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.    *
0010  1 !*  ALL RIGHTS RESERVED.                                      *
0011  1 !*                                                            *
0012  1 !*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
0013  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE *
0014  1 !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER *
0015  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
0016  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY *
0017  1 !*  TRANSFERRED.                                              *
0018  1 !*                                                            *
0019  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE *
0020  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT *
0021  1 !*  CORPORATION.                                              *
0022  1 !*                                                            *
0023  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS *
0024  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.   *
0025  1 !*                                                            *
0026  1 !*                                                            *
0027  1 !****************************************************************
0028  1 !
0029  1 !
0030  1 !++
0031  1 ! FACILITY:       Network Control Program (NCP)
0032  1 !
0033  1 ! ABSTRACT:
0034  1 !
0035  1 !     This module contain tables of status codes and text strings
0036  1 !     used for reporting error messages from NML.
0037  1 !
0038  1 ! ENVIRONMENT:  VAX/VMS Operating System
0039  1 !
0040  1 ! AUTHOR:        Darrell Duffy   , CREATION DATE: 30-October-1979
0041  1 !
0042  1 ! MODIFIED BY:
0043  1 !
0044  1 !     V03-030 PRD0091          Paul R. DeStefano       30-Mar-1984
0045  1 !             Added table for breakdown of Status and Error fields
0046  1 !             of NICE detail when return status = NMA$C_STS_OPE.
0047  1 !
0048  1 !     V03-029 PRD0084          Paul R. DeStefano       26-Mar-1984
0049  1 !             Added NMA$C_ENT_ARE to DNA entity detail table.
0050  1 !
0051  1 !     V03-028 PRD0067          Paul R. DeStefano       14-Feb-1984
0052  1 !             Change PCXP_MNS parameter to type of LITB.
0053  1 !
0054  1 !     V03-027 PRD0043          Paul R. DeStefano       05-Jan-1984
0055  1 !             Add service node version parameter.
0056  1 !
0057  1 !     V03-026 TMH0026          Tim Halvorsen           20-Jul-1983
```

```
  58   0058  1 |                       Add executor alias parameter
  59   0059  1 |
  60   0060  1 |          V03-025 RPG0025        Bob Grosso              17-May-1983
  61   0061  1 |                       Correct CIRPOL, the Circuit Polling State table.
  62   0062  1 |
  63   0063  1 |          V03-024 RPG0024        Bob Grosso              02-May-1983
  64   0064  1 |                       Add decoding for PCCI_SSB and _SPY.
  65   0065  1 |
  66   0066  1 |          V03-023 RPG0023        Bob Grosso              14-Mar-1983
  67   0067  1 |                       Change ni addresses from type HEX to NIADR
  68   0068  1 |
  69   0069  1 |          V03-022 RPG0022        Bob Grosso              18-Feb-1983
  70   0070  1 |                       Add CTLIN_MBS, _MSN and CTCIR_MNE, _UBU.
  71   0071  1 |                       Add Line parameter Buffer size PCLI_BSZ.
  72   0072  1 |                       Add OBJECT PROXY and NODE DEFAULT PROXY type REQUIRED.
  73   0073  1 |                       Add decoding for RSX and SERVER BASE specific parameters.
  74   0074  1 |                       Clean up Module configurator table
  75   0075  1 |
  76   0076  1 |          V03-021 RPG0021        Bob Grosso              15-Dec-1982
  77   0077  1 |                       Add Line parameter Eternet Protocol Type, PCLI_EPT.
  78   0078  1 |
  79   0079  1 |          V03-020 RPG0020        Bob Grosso              12-Nov-1982
  80   0080  1 |                       Move area parameters, and fix a few nits.
  81   0081  1 |                       Swap definition of ???TY_X25 and ???TY_LAPB.
  82   0082  1 |                       Change 'maximum broadcast endnodes' to
  83   0083  1 |                       'max broadcast nonrouters'.
  84   0084  1 |
  85   0085  1 |          V03-019 RPG0019        Bob Grosso              06-Oct-1982
  86   0086  1 |                       Change NI to Ethernet
  87   0087  1 |                       Add new circuit transport types
  88   0088  1 |
  89   0089  1 |          V03-018 RPG0018        Bob Grosso              10-Sep-1982
  90   0090  1 |                       Change X-P channels to RNGL type, so that the channel
  91   0091  1 |                       lists can be formatted on a single line.
  92   0092  1 |                       Fix decoding of X25-Access password.
  93   0093  1 |
  94   0094  1 |          V03-017 RPG0017        Bob Grosso              08-Sep-1982
  95   0095  1 |                       Alter DTE substate coded values.  Convert some HXPS
  96   0096  1 |                       to HEX.
  97   0097  1 |
  98   0098  1 |          V03-016 TMH0016        Tim Halvorsen           19-Aug-1982
  99   0099  1 |                       Shorten some X25-TRACE parameter descriptions so that
 100   0100  1 |                       aren't truncated in the display.
 101   0101  1 |                       Add new values for line protocol to table.
 102   0102  1 |
 103   0103  1 |          V03-015 RPG0015        Bob Grosso              02-Aug-1982
 104   0104  1 |                       Add Line mode and Line microcode dump.
 105   0105  1 |                       Add X25-Protocol Max Circuits, Substate, and
 106   0106  1 |                       Multi-Network Support.
 107   0107  1 |                       Add X25-Server State add Object filespec.
 108   0108  1 |
 109   0109  1 |          V03-014 RPG0014        Bob Grosso              14-Jul-1982
 110   0110  1 |                       Add MODULE X25-Trace.  Add NODE TYPEs AREA and
 111   0111  1 |                       ROUTING IV and NONROUTING IV.
 112   0112  1 |
 113   0113  1 |          V03-013 RPG0013        Bob Grosso              05-Jul-1982
 114   0114  1 |                       Add NI support for Nodes and Lines.
```

```
 115    0115  1 !         Add CTNOD_ZER to node counter table, which worked
 116    0116  1 !         by accident before the counters table was split up.
 117    0117  1 !
 118    0118  1 ! V03-012 RPG0012        Bob Grosso              23-Jun-1982
 119    0119  1 !         Add X25 support.
 120    0120  1 !         Break up tbl_prm_counter into tables by entities.
 121    0121  1 !         Add new QUERY_STATES_S macro to allow for more flexible
 122    0122  1 !         prompting with MODULE entity.
 123    0123  1 !
 124    0124  1 ! V011    TMH0011        Tim Halvorsen    10-May-1982
 125    0125  1 !         Add Ethernet circuit parameters, DRT, MRT, RPR.
 126    0126  1 !         Add EXECUTOR SUBADDRESSES parameter.
 127    0127  1 !
 128    0128  1 ! V010    TMH0010        Tim Halvorsen    20-Jan-1982
 129    0129  1 !         Add VER and XPT circuit parameters.
 130    0130  1 !
 131    0131  1 ! V009    TMH0009        Tim Halvorsen    31-Dec-1981
 132    0132  1 !         Add DMF as a service device.
 133    0133  1 !         Replace PCL counters with new counter definitions.
 134    0134  1 !
 135    0135  1 ! V008    TMH0008        Tim Halvorsen    17-Dec-1981
 136    0136  1 !         Add text for LINK REMOTE ID parameter.
 137    0137  1 !         Add executor default proxy, node and object proxy.
 138    0138  1 !
 139    0139  1 ! V007    TMH0007        Tim Halvorsen    11-Nov-1981
 140    0140  1 !         Add circuit source type for logging.
 141    0141  1 !
 142    0142  1 ! V006    TMH0006        Tim Halvorsen    22-Oct-1981
 143    0143  1 !         Fix the spelling on some messages.
 144    0144  1 !         Add executor default access and node access
 145    0145  1 !
 146    0146  1 ! V005    LMK0005        Len Kawell       27-Sep-1981
 147    0147  1 !         Modify text for V3.0.
 148    0148  1 !
 149    0149  1 ! V004    TMH0004        Tim Halvorsen    25-Aug-1981
 150    0150  1 !         Add new link parameters.
 151    0151  1 !
 152    0152  1 ! V003    TMH0003        Tim Halvorsen    11-Aug-1981
 153    0153  1 !         Add detail table describing VMS entities (NMA$C_SENT_xxx)
 154    0154  1 !
 155    0155  1 ! V002    TMH0002        Tim Halvorsen    07-Jul-1981
 156    0156  1 !         Add LINE CLOCK and rename 'maximum blocks' to 'maximum
 157    0157  1 !         transmits'.  Fix numeric values for circuit polling state.
 158    0158  1 !         Add PCL11-B line counters.
 159    0159  1 !         Change NODE MAXIMUM LINES to MAXIMUM CIRCUITS.
 160    0160  1 !         Change NODE SERVICE LINE to SERVICE CIRCUIT.
 161    0161  1 !         Change NODE LINE (loop line) to CIRCUIT.
 162    0162  1 !
 163    0163  1 ! V001    TMH0001        Tim Halvorsen    22-Jun-1981
 164    0164  1 !         Add parameter text strings for new V2.2 parameters.
 165    0165  1 !--
```

```
  167      0166  1 %SBTTL  'Definitions'
  168      0167  1
  169      0168  1 !
  170      0169  1 !  INCLUDE FILES:
  171      0170  1 !
  172      0171  1
  173      0172  1 LIBRARY 'LIB$:NMALIBRY';
  174      0173  1 LIBRARY 'LIB$:NCPLIBRY';
```

```
 176    0174  1 %SBTTL  'Macros to Build Tables'
 177    0175  1
 178    0176  1 !
 179    0177  1 !    Macro to build code tables
 180    0178  1 !
 181    0179  1 !
 182    0180  1 !
 183    0181  1 !        $NCP_BLDTBL (CLS, COD, TXT ... )
 184    0182  1 !
 185    0183  1 !        CLS      Name of table is NCP$GA_TBL_cls
 186    0184  1 !        COD      Value for code word in search
 187    0185  1 !        TXT      Text string to associate with COD
 188    0186  1 !
 189    0187  1 !
 190    0188  1 MACRO
 191  M 0189  1        $NCP_BLDTBL (CLS) =
 192  M 0190  1
 193  M 0191  1 PSECT   GLOBAL = $NCP_TABLES;                 ! Build global name for table
 194  M 0192  1 GLOBAL
 195  M 0193  1        %NAME ('NCP$GA_TBL_', CLS) : VECTOR [0]
 196  M 0194  1        ;
 197  M 0195  1
 198  M 0196  1 PSECT   GLOBAL = $GLOBAL$;                    ! Set it back
 199  M 0197  1 PSECT   OWN = $NCP_TABLES;                    ! Build table with own data
 200  M 0198  1 SWITCHES UNAMES;                              ! Object listing we can follow
 201  M 0199  1
 202  M 0200  1        $NCP_TBLS (%REMAINING)                 ! Build table entries
 203  M 0201  1
 204  M 0202  1 OWN
 205  M 0203  1        TBL_COD : WORD ALIGN (0) INITIAL (-1)    ! End table with -1 code word
 206  M 0204  1        ;
 207  M 0205  1 UNDECLARE TBL_COD;                            ! Get rid of old symbol
 208  M 0206  1 SWITCHES NOUNAMES;                            ! In general we dont want this
 209  M 0207  1 PSECT   OWN = $OWN$;                          ! Set the psect back for own
 210    0208  1        %;
 211    0209  1
 212    0210  1 !
 213    0211  1 !    Build one entry of the table (for all the entries)
 214    0212  1 !
 215    0213  1
 216    0214  1 MACRO
 217  M 0215  1        $NCP_TBLS [COD, TXT] =                 ! Loop to build all the codes
 218  M 0216  1
 219  M 0217  1 OWN                                           ! In the own to control placement
 220  M 0218  1        TBL_COD : WORD ALIGN (0) INITIAL (COD), ! The code word
 221  M 0219  1        TBL_TXT : WORD ALIGN (0)               ! Word offset to the text
 222  M 0220  1               INITIAL (UPLIT BYTE (%ASCIC TXT) - TBL_TXT)
 223  M 0221  1        ;
 224  M 0222  1
 225  M 0223  1 UNDECLARE TBL_COD, TBL_TXT;                   ! Get rid of symbols for reuse
 226    0224  1        %;
```

NCPTABLES      Text Tables           E 12                                                            Page 6
V04-000      Macros to Build Tables      16-Sep-1984 01:49:58    VAX-11 Bliss-32 V4.0-742                  (4)
                                         14-Sep-1984 12:48:33    [NCP.SRC]NCPTABLES.B32;1

```
228   0225  1  !
229   0226  1  !
230   0227  1  !            Macro to build parameter text tables
231   0228  1  !
232   0229  1
233   0230  1  MACRO
234 M 0231  1          $NCP_PRMTBL (CLS) =
235 M 0232  1
236 M 0233  1  PSECT   GLOBAL = $NCP_TABLES;                      ! Define the name of the table
237 M 0234  1  GLOBAL
238 M 0235  1          %NAME ('NCP$GA_PRM_', CLS) : VECTOR [0] ! Name has no size
239 M 0236  1          ;
240 M 0237  1
241 M 0238  1  PSECT   GLOBAL = $GLOBAL$;                         ! Set this one back
242 M 0239  1  PSECT   OWN = $NCP_TABLES;                         ! Build with own for no global
243   0240  1  SWITCHES UNAMES;                                  ! Pretty listings
244   0241  1
245 M 0242  1          $NCP_PRMS (%REMAINING)                    ! Build all the entries
246   0243  1
247 M 0244  1  OWN                                               ! Cap things off
248 M 0245  1          PRM_ID : WORD ALIGN (0) INITIAL (-1),
249 M 0246  1          PRM_TYP : BYTE INITIAL (-1)
250   0247  1          ;
251 M 0248  1
252 M 0249  1  UNDECLARE PRM_ID, PRM_TYP;                        ! Remove the names
253 M 0250  1  SWITCHES NOUNAMES;                                ! Reset pretty listings
254 M 0251  1  PSECT OWN = $OWN$;                                ! Reset the psect
255   0252  1
256   0253  1          %;
257   0254  1
258   0255  1  MACRO
259 M 0256  1          $NCP_PRMS [ID, TYP, LST, TXT] =
260   0257  1
261 M 0258  1  %IF NOT %NULL (LST)                               ! If we have a list entry
262 M 0259  1  %THEN
263 M 0260  1      %IF NOT %DECLARED (LST)                       ! If its not declared
264 M 0261  1      %THEN                                         ! Its coming along later
265 M 0262  1              FORWARD LST : VECTOR [0];             ! Correct attributes
266 M 0263  1      %FI
267 M 0264  1  %FI
268 M 0265  1
269 M 0266  1  OWN                                               ! Build one table entry
270 M 0267  1          PRM_ID  : WORD ALIGN (0) INITIAL (%NAME ('NMA$C_',ID) ),
271 M 0268  1          PRM_TYP : BYTE INITIAL (%NAME ('PBK$K_',TYP) ),
272 M 0269  1          PRM_LST : WORD ALIGN (0)
273 M 0270  1                          %IF NOT %NULL (LST)
274 M 0271  1                          %THEN INITIAL ( (LST) - PRM_LST)
275 M 0272  1                          %ELSE INITIAL (0)
276 M 0273  1                          %FI
277   0274  1
278 M 0275  1          PRM_TXT : WORD ALIGN (0)
279 M 0276  1                          INITIAL ( (UPLIT BYTE (%ASCIC TXT) ) - PRM_TXT)
280 M 0277  1          ;
281 M 0278  1
282 M 0279  1  UNDECLARE                                         ! Remove the symbols
283 M 0280  1          PRM_ID, PRM_TYP, PRM_LST, PRM_TXT
284 M 0281  1          ;
```

```
;  285        M 0282  1
;  286          0283  1            %;
```

```
  288      0284  1 !
  289      0285  1 !
  290      0286  1 !           Macro to build counted string lists
  291      0287  1 !
  292      0288  1 MACRO
  293      0289  1
  294      0290  1
  295    M 0291  1      $NCP_BLDLST (CLS) =                  ! List is a string of ascic strings
  296    M 0292  1
  297    M 0293  1 GLOBAL BIND
  298    M 0294  1
  299    M 0295  1      %NAME ('NCP$GA_LST_', CLS) =    ! Form of the name
  300    M 0296  1
  301    M 0297  1      UPLIT BYTE
  302    M 0298  1      (
  303    M 0299  1      $NCP_LST (%REMAINING)
  304    M 0300  1      ,BYTE (0)
  305    M 0301  1      )
  306    M 0302  1      ;
  307    M 0303  1
  308      0304  1 %,
  309      0305  1
  310    M 0306  1      $NCP_LST [ITEM] =
  311    M 0307  1
  312    M 0308  1      %ASCIC ITEM
  313    M 0309  1
  314      0310  1 %
  315      0311  1 ;
```

```
317   0312  1  %SBTTL  'Status Code Tables'
318   0313  1  !
319   0314  1  !
320   0315  1  !        Define the psects to hold the data
321   0316  1  !
322   0317  1
323   0318  1
324   0319  1         PSECT GLOBAL = $NCP_TABLES (NOWRITE, ALIGN (2) );
325   0320  1         PSECT PLIT   = $NCP_TABLE_PLIT (NOWRITE, ALIGN (2) );
326   0321  1
327   0322  1  !
328   0323  1  !        Build NML status tables
329   0324  1  !
330   0325  1
331 P 0326  1         $NCP_BLDTBL
332 P 0327  1
333 P 0328  1         (NMLSTS,
334 P 0329  1
335   0330  1
336 P 0331  1         NMA$C_STS_SUC AND 255, 'Success',
337 P 0332  1         NMA$C_STS_MOR AND 255, 'Request accepted, more to come',
338 P 0333  1         NMA$C_STS_PAR AND 255, 'Partial reply',
339 P 0334  1         NMA$C_STS_DON AND 255, 'Done',
340 P 0335  1         NMA$C_STS_FUN AND 255, 'Unrecognized function or option',
341 P 0336  1         NMA$C_STS_INV AND 255, 'Invalid message format',
342 P 0337  1         NMA$C_STS_PRI AND 255, 'Privilege violation',
343 P 0338  1         NMA$C_STS_SIZ AND 255, 'Oversized management command message',
344 P 0339  1         NMA$C_STS_MPR AND 255, 'Network management program error',
345 P 0340  1         NMA$C_STS_PTY AND 255, 'Unrecognized parameter type',
346 P 0341  1         NMA$C_STS_MVE AND 255, 'Incompatible management version',
347 P 0342  1         NMA$C_STS_CMP AND 255, 'Unrecognized component',
348 P 0343  1         NMA$C_STS_IDE AND 255, 'Invalid identification format',
349 P 0344  1         NMA$C_STS_LCO AND 255, 'Line communication error',
350 P 0345  1         NMA$C_STS_STA AND 255, 'Component in wrong state',
351 P 0346  1         NMA$C_STS_FOP AND 255, 'File open error',
352 P 0347  1         NMA$C_STS_FCO AND 255, 'Invalid file contents',
353 P 0348  1         NMA$C_STS_RES AND 255, 'Resource error',
354 P 0349  1         NMA$C_STS_PVA AND 255, 'Invalid parameter value',
355 P 0350  1         NMA$C_STS_LPR AND 255, 'Line protocol error',
356 P 0351  1         NMA$C_STS_FIO AND 255, 'File I/O error',
357 P 0352  1         NMA$C_STS_MLD AND 255, 'Mirror link disconnected',
358 P 0353  1         NMA$C_STS_ROO AND 255, 'No room for new entry',
359 P 0354  1         NMA$C_STS_MCF AND 255, 'Mirror connect failed',
360 P 0355  1         NMA$C_STS_PNA AND 255, 'Parameter not applicable',
361 P 0356  1         NMA$C_STS_PLO AND 255, 'Parameter value too long',
362 P 0357  1         NMA$C_STS_HAR AND 255, 'Hardware failure',
363 P 0358  1         NMA$C_STS_OPE AND 255, 'Operation failure',
364 P 0359  1         NMA$C_STS_SYS AND 255, 'System-specific management function not supported',
365 P 0360  1         NMA$C_STS_PGP AND 255, 'Invalid parameter grouping',
366 P 0361  1         NMA$C_STS_BLR AND 255, 'Bad loopback response',
367 P 0362  1         NMA$C_STS_PMS AND 255, 'Parameter missing',
368 P 0363  1         NMA$C_STS_ALI AND 255, 'Invalid alias identification',
369 P 0364  1         NMA$C_STS_OBJ AND 255, 'Invalid object identification',
370 P 0365  1         NMA$C_STS_PRO AND 255, 'Invalid process identification',
371 P 0366  1         NMA$C_STS_LNK AND 255, 'Invalid link identification',
372 P 0367  1
375   0368  1         )
```

```
375   0369  1
376   0370  1
377   0371  1           Error details
378   0372  1
379   0373  1
380   0374  1
381   0375  1           STS_FOP and STS_FIO
382   0376  1
383   0377  1
384 P 0378  1           $NCP_BLDTBL
385 P 0379  1
386 P 0380  1           (FOPDTL,
387 P 0381  1
388 P 0382  1           NMASC_FOPDTL_PDB, 'Permanent database',
389 P 0383  1           NMASC_FOPDTL_LFL, 'Load file',
390 P 0384  1           NMASC_FOPDTL_DFL, 'Dump file',
391 P 0385  1           NMASC_FOPDTL_SLF, 'Secondary loader',
392 P 0386  1           NMASC_FOPDTL_TLF, 'Tertiary loader',
393 P 0387  1           NMASC_FOPDTL_SDF, 'Secondary dumper',
394 P 0388  1
395   0389  1           )
396   0390  1
397   0391  1
398   0392  1           STS_MLD, STS_MCF
399   0393  1
400   0394  1
401   0395  1           $NCP_BLDTBL
402 P 0396  1
403 P 0397  1           (NCEDTL,
404 P 0398  1
405 P 0399  1           NMASC_NCEDTL_NNA, 'No node name set',
406 P 0400  1           NMASC_NCEDTL_INN, 'Invalid node name format',
407 P 0401  1           NMASC_NCEDTL_UNA, 'Unrecognized node name',
408 P 0402  1           NMASC_NCEDTL_UNR, 'Node unreachable',
409 P 0403  1           NMASC_NCEDTL_RSC, 'Network resources',
410 P 0404  1           NMASC_NCEDTL_RJC, 'Rejected by object',
411 P 0405  1           NMASC_NCEDTL_ONA, 'Invalid object name format',
412 P 0406  1           NMASC_NCEDTL_OBJ, 'Unrecognized object',
413 P 0407  1           NMASC_NCEDTL_ACC, 'Access control rejected',
414 P 0408  1           NMASC_NCEDTL_BSY, 'Object too busy',
415 P 0409  1           NMASC_NCEDTL_NRS, 'No response from object',
416 P 0410  1           NMASC_NCEDTL_NSD, 'Node shut down',
417 P 0411  1           NMASC_NCEDTL_DIE, 'Node or object failed',
418 P 0412  1           NMASC_NCEDTL_DIS, 'Disconnect by object',
419 P 0413  1           NMASC_NCEDTL_ABO, 'Abort by object',
420 P 0414  1           NMASC_NCEDTL_ABM, 'Abort by management',
421 P 0415  1
422   0416  1           )
```

```
424   0417  1
425   0418  1 !
426   0419  1 !          Details for STS_CMP, STS_IDE, STS_STA
427   0420  1 !
428   0421  1
429 P 0422  1            $NCP_BLDTBL
430 P 0423  1
431 P 0424  1            (ENTDTL,
432 P 0425  1
433 P 0426  1            NMA$C_ENT_NOD, 'Node',
434 P 0427  1            NMA$C_ENT_LIN, 'Line',
435 P 0428  1            NMA$C_ENT_LOG, 'Logging',
436 P 0429  1            NMA$C_ENT_CIR, 'Circuit',
437 P 0430  1            NMA$C_ENT_MOD, 'Module',
438 P 0431  1            NMA$C_ENT_ARE, 'Area',
439   0432  1            )
440   0433  1
441 P 0434  1            $NCP_BLDTBL
442 P 0435  1
443 P 0436  1            (VMSENTDTL,
444 P 0437  1
445 P 0438  1            NMA$C_ENT_NOD, 'Node',
446 P 0439  1            NMA$C_ENT_LIN, 'Line',
447 P 0440  1            NMA$C_ENT_LOG, 'Logging',
448 P 0441  1            NMA$C_SENT_OBJ, 'Object',
449 P 0442  1            NMA$C_SENT_LNK, 'Link'
450   0443  1            )
451   0444  1
452   0445  1 !
453   0446  1 !          Details STS_OPE
454   0447  1 !
455   0448  1
456 P 0449  1            $NCP_BLDTBL
457 P 0450  1
458 P 0451  1            (OPEDTL,
459 P 0452  1
460 P 0453  1            NMA$C_OPEDTL_DCH, 'data check',                           ! Status field bits
461 P 0454  1            NMA$C_OPEDTL_TIM, 'timeout',
462 P 0455  1            NMA$C_OPEDTL_ORN, 'data overrun',
463 P 0456  1            NMA$C_OPEDTL_ACT, 'unit is active',
464 P 0457  1            NMA$C_OPEDTL_BAF, 'buffer allocation failure',
465 P 0458  1            NMA$C_OPEDTL_RUN, 'protocol running',
466 P 0459  1            NMA$C_OPEDTL_DSC, 'line disconnected',
467 P 0460  1            NMA$C_OPEDTL_FTL, 'fatal hardware error',                 ! Error field bits
468 P 0461  1            NMA$C_OPEDTL_MNT, 'DDCMP maintainance message received',
469 P 0462  1            NMA$C_OPEDTL_LST, 'data lost due to buffer size mismatch',
470 P 0463  1            NMA$C_OPEDTL_THR, 'threshold error',
471 P 0464  1            NMA$C_OPEDTL_TRB, 'tributary malfunction',
472 P 0465  1            NMA$C_OPEDTL_STA, 'DDCMP start message received',
473   0466  1            )
474   0467  1
475   0468  1
```

```
  477      0469  1  %SBTTL  'Parameter Text Tables'
  478      0470  1  !
  479      0471  1  !
  480      0472  1  !     Area
  481      0473  1  !
  482      0474  1
  483    P 0475  1        $NCP_PRMTBL
  484    P 0476  1        (ARE,
  485    P 0477  1
  486    P 0478  1        PCAR_STA, LITB, NCP$GA_TBL_NODSTA,       'State',
  487    P 0479  1        PCAR_COS, NUMW,                   ;      'Cost',
  488    P 0480  1        PCAR_HOP, NUMB,                   ;      'Hops',
  489    P 0481  1        PCAR_CIR, TKN,                    ;      'Circuit',
  490    P 0482  1        PCAR_NND, NADR,                   ;      'Next node to area',
  491    P 0483  1
  492      0484  1        )
```

```
  494     0485   1 !
  495     0486   1 !   circuit
  496     0487   1 !
  497     0488   1
  498   P 0489   1       $NCP_PRMTBL
  499   P 0490   1       (CIR,
  500   P 0491   1
  501   P 0492   1       PCCI_STA, LITB, NCP$GA_TBL_LINSTA,    'State',
  502   P 0493   1       PCCI_SUB, LITB, NCP$GA_TBL_LINSUB,    'Substate',
  503   P 0494   1       PCCI_SER, LITB, NCP$GA_TBL_LINSVC,    'Service',
  504   P 0495   1       PCCI_LCT, NUMW,              ,        'Counter timer',
  505   P 0496   1       PCCI_CNO, NADR,              ,        'Connected node',
  506   P 0497   1 !     PCCI_COB, ????,              ,        'Connected object',
  507   P 0498   1       PCCI_LOO, TKN,               ,        'Loopback name',
  508   P 0499   1       PCCI_ADJ, NADR,              ,        'Adjacent node',
  509   P 0500   1       PCCI_DRT, NADR,              ,        'Designated router',
  510   P 0501   1       PCCI_BLO, NUMW,              ,        'Block size',
  511   P 0502   1       PCCI_COS, NUMB,              ,        'Cost',
  512   P 0503   1       PCCI_MRT, NUMB,              ,        'Maximum routers allowed',
  513   P 0504   1       PCCI_RPR, NUMB,              ,        'Router priority',
  514   P 0505   1       PCCI_HET, NUMW,              ,        'Hello timer',
  515   P 0506   1       PCCI_LIT, NUMW,              ,        'Listen timer',
  516   P 0507   1       PCCI_BLK, LITB, NCP$GA_TBL_CIRBLK,    'Blocking',
  517   P 0508   1       PCCI_MRC, NUMB,              ,        'Maximum recalls',
  518   P 0509   1       PCCI_RCT, NUMW,              ,        'Recall timer',
  519   P 0510   1       PCCI_NUM, TKN,               ,        'Number',
  520   P 0511   1       PCCI_USR, ENT,               ,        'User',
  521   P 0512   1       PCCI_POL, LITB, NCP$GA_TBL_CIRPOL,    'Polling state',
  522   P 0513   1       PCCI_PLS, LITB, NCP$GA_TBL_CIRPLS,    'Polling substate',
  523   P 0514   1       PCCI_OWN, ENT,               ,        'Owner',
  524   P 0515   1       PCCI_LIN, TKN,               ,        'Line',
  525   P 0516   1       PCCI_USE, LITB, NCP$GA_TBL_CIRUSE,    'Usage',
  526   P 0517   1       PCCI_TYP, LITB, NCP$GA_TBL_CIRTYP,    'Type',
  527   P 0518   1       PCCI_DTE, TKN,               ,        'DTE',
  528   P 0519   1       PCCI_CHN, NUMW,              ,        'Channel',
  529   P 0520   1       PCCI_MBL, NUMW,              ,        'Maximum data',
  530   P 0521   1       PCCI_MWI, NUMB,              ,        'Maximum window',
  531   P 0522   1       PCCI_TRI, NUMB,              ,        'Tributary',
  532   P 0523   1       PCCI_BBT, NUMW,              ,        'Babble timer',
  533   P 0524   1       PCCI_TRT, NUMW,              ,        'Transmit timer',
  534   P 0525   1       PCCI_MRB, NUMB,              ,        'Maximum buffers',
  535   P 0526   1       PCCI_MTR, NUMB,              ,        'Maximum transmits',
  536   P 0527   1       PCCI_ACB, NUMB,              ,        'Active base',
  537   P 0528   1       PCCI_ACI, NUMB,              ,        'Active increment',
  538   P 0529   1       PCCI_IAB, NUMB,              ,        'Inactive base',
  539   P 0530   1       PCCI_IAI, NUMB,              ,        'Inactive increment',
  540   P 0531   1       PCCI_IAT, NUMB,              ,        'Inactive threshold',
  541   P 0532   1       PCCI_DYB, NUMB,              ,        'Dying base',
  542   P 0533   1       PCCI_DYI, NUMB,              ,        'Dying increment',
  543   P 0534   1       PCCI_DYT, NUMB,              ,        'Dying threshold',
  544   P 0535   1       PCCI_DTH, NUMB,              ,        'Dead threshold',
  545   P 0536   1
  546   P 0537   1       PCCI_VER, LITB, NCP$GA_TBL_CIRVER,    'Verification',
  547   P 0538   1       PCCI_XPT, LITB, NCP$GA_TBL_CIRXPT,    'Transport type',
  548   P 0539   1       PCCI_SSB, LITB, NCP$GA_TBL_LINSUB,    'Service substate',
  549   P 0540   1       PCCI_SPY, NIADR,             ,        'Service physical address',
  550   P 0541   1
```

```
  551    P 0542  1        !
  552    P 0543  1        ! RSX-specific circuit parameters
  553    P 0544  1        !
  554    P 0545  1        PCCI_RSX_MAC, HIGH,        ,            'Multipoint active ratio',
  555    P 0546  1        PCCI_RSX_LOG, HIGH,        ,            'Logical name',
  556    P 0547  1        PCCI_RSX_DLG, HIGH,        ,            'Designated name',
  557    P 0548  1        PCCI_RSX_ACT, HIGH,        ,            'Actual name',
  558    P 0549  1        !
  559    P 0550  1        !
  560    P 0551  1        ! Server Base specific Circuit parameters
  561    P 0552  1        !
  562    P 0553  1        PCCI_SRV_LOG, HIGH,        ,            'Logical name',
  563    P 0554  1        PCCI_SRV_DLG, HIGH,        ,            'Designated name',
  564    P 0555  1        PCCI_SRV_ACT, HIGH,        ,            'Actual name',
  565      0556  1
  566      0557  1        )
```

```
568    0558  1  |  !
569    0559  1  |  !    line
570    0560  1  |  !
571    0561  1  |
572    0562  1  |
573  P 0563  1         $NCP_PRMTBL
574  P 0564  1         (LIN,
575  P 0565  1
576  P 0566  1         PCLI_STA, LITB, NCP$GA_TBL_LINSTA,      'State',
577  P 0567  1         PCLI_SUB, LITB, NCP$GA_TBL_LINSUB,      'Substate',
578  P 0568  1         PCLI_SER, LITB, NCP$GA_TBL_LINSVC,      'Service',
579  P 0569  1         PCLI_LCT, NUMW,            !            'Counter timer',
580  P 0570  1         PCLI_LOO, TKN,             !            'Loopback name',
581  P 0571  1         PCLI_ADJ, NADR,            !            'Adjacent node',
582  P 0572  1         PCLI_BLO, NUMW,            !            'Block size',
583  P 0573  1         PCLI_COS, NUMB,            !            'Cost',
584  P 0574  1         PCLI_DEV, TKN,             !            'Device',
585  P 0575  1         PCLI_PRO, LITB, NCP$GA_TBL_LINPRO,      'Protocol',
586  P 0576  1         PCLI_DUP, LITB, NCP$GA_TBL_LINDPX,      'Duplex',
587  P 0577  1         PCLI_CON, LITB, NCP$GA_TBL_LINCTL,      'Controller',
588  P 0578  1         PCLI_CLO, LITB, NCP$GA_TBL_LINCLO,      'Clock',
589  P 0579  1  !      PCLI_LTY, LITB, NCP$GA_TBL_LINTYP,      'Type',
590  P 0580  1         PCLI_STI, NUMW,            !            'Service timer',
591  P 0581  1         PCLI_NTI, NUMW,            !            'Retransmit timer',
592  P 0582  1         PCLI_HTI, NUMW,            !            'Holdback timer',
593  P 0583  1         PCLI_MBL, NUMW,            !            'Maximum block',
594  P 0584  1         PCLI_MRT, NUMB,            !            'Maximum retransmits',
595  P 0585  1         PCLI_MWI, NUMB,            !            'Maximum window',
596  P 0586  1         PCLI_TRI, NUMB,            !            'Tributary address',
597  P 0587  1         PCLI_SLT, NUMW,            !            'Scheduling timer',
598  P 0588  1         PCLI_DDT, NUMW,            !            'Dead timer',
599  P 0589  1         PCLI_DLT, NUMW,            !            'Delay timer',
600  P 0590  1         PCLI_SRT, NUMW,            !            'Stream timer',
601  P 0591  1         PCLI_HWA, NIADR,           !            'Hardware address',
602  P 0592  1         PCLI_BFN, NUMW,            !            'Receive buffers',
603  P 0593  1
604  P 0594  1         PCLI_MCD, TKN,             !            'Micro-code dump file',
605  P 0595  1         PCLI_XMD, LITB, NCP$GA_TBL_LINMOD,      'X25 line mode',
606  P 0596  1         PCLI_EPT, NUMW,            !            'Ethernet protocol type',
607  P 0597  1         PCLI_BSZ, NUMW,            !            'Buffer size',
608  P 0598  1
609  P 0599  1         !
610  P 0600  1         ! RSX-specific line parameters
611  P 0601  1         !
612  P 0602  1         PCLI_RSX_OWN, HIGH,        !            'Owner'
613  P 0603  1         PCLI_RSX_CCS, HIGH,        !            'Controller CSR',
614  P 0604  1         PCLI_RSX_UCS, HIGH,        !            'Unit CSR',
615  P 0605  1         PCLI_RSX_VEC, HIGH,        !            'Vector',
616  P 0606  1         PCLI_RSX_PRI, HIGH,        !            'Priority'
617  P 0607  1         PCLI_RSX_MDE, HIGH,        !            'Dead polling ratio',
618  P 0608  1         PCLI_RSX_LLO, LITB, NCP$GA_TBL_LINLOC,  'Location',
619  P 0609  1         PCLI_RSX_LOG, HIGH,        !            'Logical name',
620  P 0610  1         PCLI_RSX_DLG, HIGH,        !            'Designated name',
621  P 0611  1         PCLI_RSX_ACT, HIGH,        !            'Actual name',
622    0612  1
623    0613  1         !
624  P 0614  1         !    Server Base specific line parameters
```

```
  625     P 0615  1        !
  626     P 0616  1            PCLI_SRV_OWN, HIGH,        :            'Owner',
  627     P 0617  1            PCLI_SRV_UCS, HIGH,        :            'Unit CSR',
  628     P 0618  1            PCLI_SRV_VEC, HIGH,        :            'Vector',
  629     P 0619  1            PCLI_SRV_PRI, HIGH,        :            'Priority',
  630     P 0620  1            PCLI_SRV_LOG, HIGH,        :            'Logical name',
  631     P 0621  1            PCLI_SRV_DLG, HIGH,        :            'Designated name',
  632     P 0622  1            PCLI_SRV_ACT, HIGH,        :            'Actual name',
  633     P 0623  1
  634       0624  1            )
```

```
 636    0625  1 |
 637    0626  1 |!
 638    0627  1 |!    Logging
 639    0628  1 |
 640    0629  1
 641  P 0630  1      $NCP_PRMTBL
 642  P 0631  1      (LOG,
 643  P 0632  1
 644  P 0633  1      PCLO_STA, LITB, NCP$GA_TBL_LOGSTA,      'State',
 645  P 0634  1      PCLO_LNA, TKN,                 ;        'Name',
 646  P 0635  1      PCLO_SIN, NADR,                ;        'Sink node',
 647  P 0636  1      PCLO_EVE, ESET,                ;        'Events',
 648  P 0637  1
 649    0638  1      )
```

```
   651    0639  1
   652    0640  1
   653    0641  1  !       module X25-Access
   654    0642  1
   655    0643  1
   656  P 0644  1          $NCP_PRMTBL
   657  P 0645  1          (MODACC,
   658  P 0646  1
   659  P 0647  1          PCXA_NET, TKN,           ;              'Network',
   660  P 0648  1          PCXA_NOD, NADR,          ;              'Node',
   661  P 0649  1          PCXA_USR, TKN,           ;              'User',
   662  P 0650  1          PCXA_PSW, LITB, NCP$GA_TBL_MSEPAS,      'Password',
   663  P 0651  1          PCXA_ACC, TKN,           ;              'Account',
   664  P 0652  1
   665  P 0653  1          !
   666  P 0654  1          ! RSX-specific X.25-Access module parameters
   667  P 0655  1          !
   668  P 0656  1          PCXA_RSX_ADS, HIGH,      ;              'Destination',
   669  P 0657  1          PCXA_RSX_ANB, HIGH,      ;              'Number',
   670  P 0658  1          PCXA_RSX_ASC, HIGH,      ;              'Scope',
   671  P 0659  1
   672  P 0660  1          !
   673  P 0661  1          ! Server Base specific X.25-Access module parameters
   674  P 0662  1          !
   675  P 0663  1          PCXA_SRV_ADS, HIGH,      ;              'Destination',
   676  P 0664  1          PCXA_SRV_ANB, HIGH,      ;              'Number',
   677  P 0665  1          PCXA_SRV_ASC, HIGH,      ;              'Scope',
   678  P 0666  1
   679    0667  1          )
```

```
681    0668  1
682    0669  1
683    0670  1        module X25 Protocol
684    0671  1
685    0672  1
686  P 0673  1        $NCP_PRMTBL
687  P 0674  1        (MODPRO,
688  P 0675  1
689  P 0676  1        PCXP_STA, LITB, NCP$GA_TBL_MPRSTA,        'State',
690  P 0677  1        PCXP_CTM, NUMW,                      ,    'Counter timer',
691  P 0678  1        PCXP_ACH, NUMW,                      ,    'Active channels',
692  P 0679  1        PCXP_ASW, NUMW,                      ,    'Active switched',
693  P 0680  1        PCXP_DTE, TKN,                       ,    'DTE',
694  P 0681  1        PCXP_GRP, TKN,                       ,    'Group',
695  P 0682  1        PCXP_NET, TKN,                       ,    'Network',
696  P 0683  1        PCXP_LIN, TKN,                       ,    'Line',
697  P 0684  1        PCXP_CHN, RNGL,                      ,    'Channels',
698  P 0685  1        PCXP_MCH, NUMW,                      ,    'Maximum channels',
699  P 0686  1        PCXP_DBL, NUMW,                      ,    'Default data',
700  P 0687  1        PCXP_DWI, NUMB,                      ,    'Default window',
701  P 0688  1        PCXP_MBL, NUMW,                      ,    'Maximum data',
702  P 0689  1        PCXP_MWI, NUMB,                      ,    'Maximum window',
703  P 0690  1        PCXP_MCL, NUMB,                      ,    'Maximum clears',
704  P 0691  1        PCXP_MRS, NUMB,                      ,    'Maximum resets',
705  P 0692  1        PCXP_MST, NUMB,                      ,    'Maximum restarts',
706  P 0693  1        PCXP_CAT, NUMB,                      ,    'Call timer',
707  P 0694  1        PCXP_CLT, NUMB,                      ,    'Clear timer',
708  P 0695  1        PCXP_RST, NUMB,                      ,    'Reset timer',
709  P 0696  1        PCXP_STT, NUMB,                      ,    'Restart timer',
710  P 0697  1        PCXP_GDT, TKN,                       ,    'DTE',
711  P 0698  1        PCXP_GNM, NUMW,                      ,    'Number',
712  P 0699  1        PCXP_GTY, LITB, NCP$GA_TBL_MPRTYP,        'Type',
713  P 0700  1
714  P 0701  1        PCXP_MNS, LITB, NCP$GA_TBL_MPRMNS,        'Multi-Network support',
715  P 0702  1        PCXP_MCI, NUMW,                      ,    'Maximum circuits',
716  P 0703  1
717  P 0704  1        !
718  P 0705  1        !      RSX-specific X.25-Protocol Module parameters
719  P 0706  1        !
720  P 0707  1        PCXP_RSX_PMC, HIGH,           ,          'Maximum circuits',
721  P 0708  1
722  P 0709  1        !
723  P 0710  1        ! Server Base specific X.25-Protocol Module parameters
724  P 0711  1        !
725  P 0712  1        PCXP_SRV_PMC, HIGH,           ,          'Maximum circuits',
726  P 0713  1        PCXP_SBS, LITB, NCP$GA_TBL_MPRSBS,        'Substate',
727  P 0714  1
728    0715  1        )
```

NCPTABLES      Text Tables                                 F 13
V04-000        Parameter Text Tables                  16-Sep-1984 01:49:58    VAX-11 Bliss-32 V4.0-742       Page 20
                                                     14-Sep-1984 12:48:33    [NCP.SRC]NCPTABLES.B32;1           (15)

```
730   0716 1 !
731   0717 1 !
752   0718 1 !        module X25 Server
753   0719 1 !        module X29-Server
754   0720 1 !
755   0721 1
756 P 0722 1          $NCP_PRMTBL
737 P 0723 1          (MODSER,
738 P 0724 1
739 P 0725 1          PCXS_CTM, NUMW,                .              'Counter timer',
740 P 0726 1          PCXS_ACI, NUMW,                .              'Active circuits',
741 P 0727 1          PCXS_DST, TKN,                 .              'Destination',
742 P 0728 1          PCXS_MCI, NUMW,                .              'Maximum circuits',
743 P 0729 1          PCXS_NOD, NADR,                .              'Node',
744 P 0730 1          PCXS_USR, TKN,                 .              'User',
745 P 0731 1          PCXS_SPW, TKN,                 .              'Password',
746 P 0732 1          PCXS_RPW, LITB, NCPSGA_TBL_MSEPAS,           'Password',
747 P 0733 1          PCXS_ACC, TKN,                 .              'Account',
748 P 0734 1          PCXS_OBJ, OBJ,                 .              'Object',
749 P 0735 1          PCXS_PRI, NUMB,                .              'Priority',
750 P 0736 1          PCXS_CMK, HEX,                 .              'Call mask',
751 P 0737 1          PCXS_CVL, HEX,                 .              'Call value',
752 P 0738 1          PCXS_GRP, TKN,                 .              'Group',
753 P 0739 1          PCXS_NUM, TKN,                 .              'Number',
754 P 0740 1          PCXS_SAD, SAD,                 .              'Subaddresses',
755 P 0741 1
756 P 0742 1          PCXS_STA, LITB, NCPSGA_TBL_MPRSTA,           'State',
757 P 0743 1          PCXS_FIL, TKN,                 .              'Object filespec',
758 P 0744 1
759 P 0745 1          !
760 P 0746 1          ! RSX-specific X.25-Server Module parameters
761 P 0747 1          !
762 P 0748 1          PCXS_RSX_5ST, LITB, NCPSGA_TBL_LINSTA, 'State',
763 P 0749 1
764 P 0750 1          !
765 P 0751 1          ! Server Base specific X.25-Server Module parameters
766 P 0752 1          !
767 P 0753 1          PCXS_SRV_5ST, LITB, NCPSGA_TBL_LINSTA, 'State',
768 P 0754 1
769   0755 1          )
```

```
 771    0756 1  !
 772    0757 1  !
 775    0758 1  !        module X25-Trace (VMS specific)
 774    0759 1  !
 775    0760 1
 776    0761 1          $NCP_PRMTBL
 777  P 0762 1          (MODTRC,
 778  P 0763 1
 779  P 0764 1          PCXT_STA, LITB, NCP$GA_TBL_NODSTA,      'State',
 780  P 0765 1          PCXT_BSZ, NUMW,              ;           'Buffer size',
 781  P 0766 1          PCXT_MBK, NUMW,              ;           'Maximum blocks',
 782  P 0767 1          PCXT_FNM, TKN,               ;           'Filename',
 783  P 0768 1          PCXT_MBF, NUMW,              ;           'Maximum number of buffers',
 784  P 0769 1          PCXT_CPL, NUMW,              ;           'Global data capture size',
 785  P 0770 1          PCXT_MVR, NUMW,              ;           'Maximum file version',
 786  P 0771 1          PCXT_TPT, TKN,               ;           'Trace point name',
 787  P 0772 1          PCXT_CPS, NUMW,              ;           'Per-trace capture size',
 788  P 0773 1          PCXT_TST, LITB, NCP$GA_TBL_NODSTA,      'Per-trace state'.
 789  P 0774 1
 790    0775 1          )
```

```
  792    0776  1
  793    0777  1 !
  794    0778  1 !    Console module
  795    0779  1 !
  796    0780  1
  797  P 0781  1        $NCP_PRMTBL
  798  P 0782  1        (MODCON,
  799  P 0783  1
  800  P 0784  1        PCCO_RTR, NUMW,          ,                'Reservation timer',
  801  P 0785  1
  802    0786  1        )
  803    0787  1
  804    0788  1
  805    0789  1 !
  806    0790  1 !    Loader module
  807    0791  1 !
  808    0792  1
  809  P 0793  1        $NCP_PRMTBL
  810  P 0794  1        (MODLOA,
  811  P 0795  1
  812  P 0796  1        PCLD_ASS, LITB, NCP$GA_TBL_MLOASS,       'Assistance flag',
  813  P 0797  1
  814    0798  1        )
  815    0799  1
  816    0800  1
  817    0801  1 !
  818    0802  1 !    Looper module
  819    0803  1 !
  820    0804  1
  821  P 0805  1        $NCP_PRMTBL
  822  P 0806  1        (MODLOO,
  823  P 0807  1
  824  P 0808  1        PCLP_ASS, LITB, NCP$GA_TBL_MLOASS,       'Assistance flag',
  825  P 0809  1
  826    0810  1        )
  827    0811  1
```

```
 829      0812  1  !
 830      0813  1  !   Configurator module
 831      0814  1  !
 832      0815  1
 833    P 0816  1      $NCP_PRMTBL
 834    P 0817  1      (MODCNF,
 835    P 0818  1
 836    P 0819  1      PCCN_CIR, TKN,                          'Circuit name'
 837    P 0820  1      PCCN_SUR, LITB, NCP$GA_TBL_MLOASS,      'Surveillance flag',
 838    P 0821  1      PCCN_ELT, DELTIM,         ,             'Elapsed time',
 839    P 0822  1      PCCN_PHA, NIADR,                        'Physical address',
 840    P 0823  1      PCCN_LRP, DAYTIM, NCP$GA_TBL_MON,       'Time of last report',
 841    P 0824  1      PCCN_MVR, TRIPL,                        'Maintenance version',
 842    P 0825  1      PCCN_FCT, LITLSf, NCP$GA_TBL_CNFFCT,    'Function list',
 843    P 0826  1      PCCN_CUS, NADR,           ,             'Current console user',
 844    P 0827  1      PCCN_RTR, NUMW,           ,             'Reservation timer',
 845    P 0828  1      PCCN_CSZ, NUMW,           ,             'Command buffer size',
 846    P 0829  1      PCCN_RSZ, NUMW,           ,             'Response buffer size',
 847    P 0830  1      PCCN_HWA, NIADR,                        'Hardware address',
 848    P 0831  1      PCCN_DTY, LITB, NCP$GA_TBL_SVCDEV,      'Device type',
 849    P 0832  1 !!   PCCN_SFI, ???                           'Software ID',
 850    P 0833  1      PCCN_SPR, LITB, NCP$GA_TBL_MCOPRC,      'System processor',
 851    P 0834  1      PCCN_DLK, LITB, NCP$GA_TBL_MCODAT,      'Data link type',
 852    P 0835  1
 853      0836  1      )
```

```
  855    0837  1
  856    0838  1
  857    0839  1         node
  858    0840  1
  859    0841  1
  860  P 0842  1            $NCP_PRMTBL
  861  P 0843  1            (NOD,
  862  P 0844  1
  863  P 0845  1            PCNO_STA, LITB, NCP$GA_TBL_NODSTA,    'State',
  864  P 0846  1            PCNO_PHA, NIADR,          ,          'Physical address',
  865  P 0847  1            PCNO_IDE, TKN,            ;          'Identification'
  866  P 0848  1            PCNO_MVE, TRIPL,          ,          'Management version',
  867  P 0849  1            PCNO_SLI, TKN,            ,          'Service circuit',
  868  P 0850  1            PCNO_SNV, LITB, NCP$GA_TBL_NODSNV,    'Service node version',
  869  P 0851  1            PCNO_SPA, HXPS,           ,          'Service password',
  870  P 0852  1            PCNO_SDV, LITB, NCP$GA_TBL_SVCDEV,    'Service device',
  871  P 0853  1            PCNO_CPU, LITB, NCP$GA_TBL_CPUTYP,    'CPU type'
  872  P 0854  1            PCNO_HWA, NIADR,          ,          'Hardware address',
  873  P 0855  1            PCNO_LOA, TKN,            ,          'Load file',
  874  P 0856  1            PCNO_SLO, TKN,            ,          'Secondary loader',
  875  P 0857  1            PCNO_TLO, TKN,            ,          'Tertiary loader',
  876  P 0858  1            PCNO_DFL, TKN,            ,          'Diagnostic loader',
  877  P 0859  1            PCNO_STY, LITB, NCP$GA_TBL_SOFTYP,    'Software type'
  878  P 0860  1            PCNO_SID, TKN,            ,          'Software identification',
  879  P 0861  1            PCNO_DUM, TKN,            ,          'Dump file',
  880  P 0862  1            PCNO_SDU, TKN,            ,          'Secondary dumper',
  881  P 0863  1            PCNO_DAD, NUML,           ,          'Dump address',
  882  P 0864  1            PCNO_DCT, NUML,           ,          'Dump count',
  883  P 0865  1            PCNO_OHO, NADR,           ,          'Host',
  884  P 0866  1            PCNO_IHO, NADR,           ,          'Host',
  885  P 0867  1            PCNO_LPC, NUMW,           ,          'Loop count',
  886  P 0868  1            PCNO_LPL, NUMW,           ,          'Loop length'
  887  P 0869  1            PCNO_LPD, LITB, NCP$GA_TBL_LOODAT,    'Loop Data type',
  888  P 0870  1            PCNO_LPA, NIADR,          ,          'Loop assistant physical address',
  889  P 0871  1            PCNO_LPH, LITB, NCP$GA_TBL_NODHLP,    'Loop help type',
  890  P 0872  1            PCNO_CTI, NUMW,           ,          'Counter timer',
  891  P 0873  1            PCNO_NNA, TKN,            ,          'Name'
  892  P 0874  1            PCNO_NLI, TKN,            ,          'Circuit',
  893  P 0875  1            PCNO_ADD, NUMW,           ,          'Address',
  894  P 0876  1            PCNO_ITI, NUMW,           ,          'Incoming timer',
  895  P 0877  1            PCNO_OTI, NUMW,           ,          'Outgoing timer',
  896  P 0878  1            PCNO_ACL, NUMW,           ,          'Active links',
  897  P 0879  1            PCNO_DEL, NUMW,           ,          'Delay',
  898  P 0880  1            PCNO_NVE, TRIPL,          ,          'NSP version',
  899  P 0881  1            PCNO_MLK, NUMW,           ,          'Maximum links',
  900  P 0882  1            PCNO_DFA, NUMB,           ,          'Delay factor',
  901  P 0883  1            PCNO_DWE, NUMB,           ,          'Delay weight',
  902  P 0884  1            PCNO_IAT, NUMW,           ,          'Inactivity timer',
  903  P 0885  1            PCNO_RFA, NUMW,           ,          'Retransmit factor',
  904  P 0886  1            PCNO_DTY, LITB, NCP$GA_TBL_NODTYP,    'Type',
  905  P 0887  1            PCNO_DCO, NUMW,           ,          'Cost',
  906  P 0888  1            PCNO_DHO, NUMB,           ,          'Hops',
  907  P 0889  1            PCNO_DLI, TKN,            ,          'Circuit',
  908  P 0890  1            PCNO_NND, NADR,           ,          'Next node to destination',
  909  P 0891  1            PCNO_RVE, TRIPL,          ,          'Routing version',
  910  P 0892  1            PCNO_ETY, LITB, NCP$GA_TBL_NODTYP,    'Type',
  911  P 0893  1            PCNO_RTI, NUMW,           ,          'Routing timer',
```

```
912      P 0894  1      PCNO_SAD, SAD,                           ;    'Subaddresses',
913      P 0895  1      PCNO_BRT, NUMW,                          ;    'Broadcast routing timer',
914      P 0896  1      PCNO_MAD, NUMW,                          ;    'Maximum address',
915      P 0897  1      PCNO_MLN, NUMW,                          ;    'Maximum circuits',
916      P 0898  1      PCNO_MCO, NUMW,                          ;    'Maximum cost',
917      P 0899  1      PCNO_MHO, NUMB,                          ;    'Maximum hops',
918      P 0900  1      PCNO_MVI, NUMB,                          ;    'Maximum visits',
919      P 0901  1      PCNO_MAR, NUMB,                          ;    'Maximum area',
920      P 0902  1      PCNO_MBE, NUMW,                          ;    'Max broadcast nonrouters',
921      P 0903  1      PCNO_MBR, NUMW,                          ;    'Max broadcast routers',
922      P 0904  1      PCNO_AMC, NUMW,                          ;    'Area maximum cost',
923      P 0905  1      PCNO_AMH, NUMB,                          ;    'Area maximum hops',
924      P 0906  1      PCNO_MBU, NUMW,                          ;    'Maximum buffers',
925      P 0907  1      PCNO_BUS, NUMW,                          ;    'Buffer size',
926      P 0908  1      PCNO_SBS, NUMW,                          ;    'Segment buffer size',
927      P 0909  1      PCNO_RPA, TKN,                           ;    'Receive password',
928      P 0910  1      PCNO_TPA, TKN,                           ;    'Transmit password',
929      P 0911  1
930      P 0912  1      PCNO_PUS, TKN,                           ;    'Privileged user id',
931      P 0913  1      PCNO_PAC, TKN,                           ;    'Privileged account',
932      P 0914  1      PCNO_PPW, TKN,                           ;    'Privileged password',
933      P 0915  1      PCNO_NUS, TKN,                           ;    'Nonprivileged user id',
934      P 0916  1      PCNO_NAC, TKN,                           ;    'Nonprivileged account',
935      P 0917  1      PCNO_NPW, TKN,                           ;    'Nonprivileged password',
936      P 0918  1      PCNO_ACC, LITB, NCP$GA_TBL_NODACC,            'Access',
937      P 0919  1      PCNO_DAC, LITB, NCP$GA_TBL_NODACC,            'Default access',
938      P 0920  1      PCNO_PRX, LITB, NCP$GA_TBL_NODACC,            'Proxy access',
939      P 0921  1      PCNO_DPX, LITB, NCP$GA_TBL_NODACC,            'Default proxy access',
940      P 0922  1      PCNO_PIQ, NUMW,                          ;    'Pipeline quota',
941      P 0923  1      PCNO_ALI, NADR,                          ;    'Alias address',
942      P 0924  1
943      P 0925  1
944      P 0926  1      !    RSX-Specific Node (Executor) parameters
945      P 0927  1
946      P 0928  1      PCNO_RSX_RPA, LITB, NCP$GA_TBL_MSEPAS,        'Receive password'
947      P 0929  1      PCNO_RSX_TPA, LITB, NCP$GA_TBL_MSEPAS,        'Transmit password',
948      P 0930  1      PCNO_RSX_VER, LITB, NCP$GA_TBL_LINSTA,        'Verification state',
949      P 0931  1
950      P 0932  1
951      P 0933  1      !    Server Base specific Node (Executor) parameters
952      P 0934  1
953      P 0935  1      PCNO_SRV_RPA, LITB, NCP$GA_TBL_MSEPAS,        'Receive password'
954      P 0936  1      PCNO_SRV_TPA, LITB, NCP$GA_TBL_MSEPAS,        'Transmit password',
955      P 0937  1      PCNO_SRV_VER, LITB, NCP$GA_TBL_LINSTA,        'Verification state',
956      P 0938  1      PCNO_SRV_ACB, HIGH,                      ;    'Active control buffers',
957      P 0939  1      PCNO_SRV_ASB, HIGH,                      ;    'Active small buffers',
958      P 0940  1      PCNO_SRV_ALB, HIGH,                      ;    'Active large buffers',
959      P 0941  1      PCNO_SRV_MCB, HIGH,                      ;    'Maximum control buffers',
960      P 0942  1      PCNO_SRV_MSB, HIGH,                      ;    'Maximum small buffers',
961      P 0943  1      PCNO_SRV_MLB, HIGH,                      ;    'Maximum large buffers',
962      P 0944  1      PCNO_SRV_LBS, HIGH,                      ;    'Large buffer size',
963      P 0945  1      PCNO_SRV_NRB, HIGH,                      ;    'Minimum receive buffers',
964      P 0946  1      PCNO_SRV_CPT, HIGH,                      ;    'CEX pool: total bytes',
965      P 0947  1      PCNO_SRV_CPF, HIGH,                      ;    'CEX pool: number of segments',
966      P 0948  1      PCNO_SRV_CPL, HIGH,                      ;    'CEX pool: largest segment',
967      P 0949  1      PCNO_SRV_XPT, HIGH,                      ;    'Extended pool: total bytes',
968      P 0950  1      PCNO_SRV_XPF, HIGH,                      ;    'Extended pool: number of segments',
```

```
: 969    P 0951 1         PCNO_SRV_XPL, HIGH,      ,              'Extended pool: largest segment',
: 970    P 0952 1
: 971      0953 1         )
```

```
  973      0954  1
  974      0955  1
  975      0956  1              object
  976      0957  1  !
  977      0958  1
  978    P 0959  1              $NCP_PRMTBL
  979    P 0960  1              (OBJ,
  980    P 0961  1
  981    P 0962  1              PCOB_OAN, *,                               'Active name',
  982    P 0963  1              PCOB_OAC, *,                        ;      'Active links',
  983    P 0964  1              PCOB_ONA, *,                               'Name',
  984    P 0965  1              PCOB_OCO, *,                        ;      'Copies',
  985    P 0966  1              PCOB_OUS, *,                               'User',
  986    P 0967  1  !           PCOB_OVE, *,                        ;      'Verification',
  987    P 0968  1
  988    P 0969  1              PCOB_NAM, TKN,                             'Name',
  989    P 0970  1              PCOB_FID, TKN,                      ;      'File id',
  990    P 0971  1              PCOB_PID, TKN,                             'Process id',
  991    P 0972  1              PCOB_NUM, NUMB,                            'Number',
  992    P 0973  1              PCOB_PRV, PRVL,                     ;      'Privilege list',
  993    P 0974  1              PCOB_USR, TKN,                             'User id',
  994    P 0975  1              PCOB_ACC, TKN,                      ;      'Account',
  995    P 0976  1              PCOB_PSW, TKN,                             'Password',
  996    P 0977  1              PCOB_PRX, LITB, NCP$GA_TBL_NODACC,         'Proxy access',
  997    P 0978  1
  998      0979  1              )
  999      0980  1
 1000      0981  1  !
 1001      0982  1              links
 1002      0983  1  !
 1003      0984  1
 1004    P 0985  1              $NCP_PRMTBL
 1005    P 0986  1              (LNK,
 1006    P 0987  1
 1007    P 0988  1              PCLK_STA, LITB, NCP$GA_TBL_LNKSTA,         'State',
 1008    P 0989  1              PCLK_PID, HXPS,                            'PID',
 1009    P 0990  1              PCLK_NID, NADR,                     ;      'Remote node', PID',
 1010    P 0991  1              PCLK_LAD, NUMW,                            'Link address, PID',
 1011    P 0992  1              PCLK_DLY, NUMW,                     ;      'Delay time',
 1012    P 0993  1              PCLK_RLN, NUMW,                            'Remote link',
 1013    P 0994  1              PCLK_RID, TKN,                      ;      'Remote user',
 1014    P 0995  1              PCLK_USR, TKN,                             'Username',
 1015    P 0996  1              PCLK_PRC, TKN,                      ;      'Process name',
 1016    P 0997  1
 1017      0998  1              )
```

NCPTABLES      Text Tables                                   N 13
V04-000       Parameter Text Tables                 16-Sep-1984 01:49:58    VAX-11 Bliss-32 V4.0-742         Page 28
                                                           14-Sep-1984 12:48:33    [NCP.SRC]NCPTABLES.B32;1        (21)

```
1019    0999  1
1020    1000  1  !
1021    1001  1  !            Bitmap tables for counters
1022    1002  1  !
1023    1003  1
1024    1004  1            $NCP_BLDLST
1025  P 1005  1            (BMDEI,                                ! Data errors inbound
1026  P 1006  1
1027  P 1007  1            'NAKs sent, header block check error',
1028  P 1008  1            'NAKs sent, data field block check error',
1029  P 1009  1            'NAKs sent, REP response',
1030  P 1010  1            'Block too long',
1031  P 1011  1            'Block check error',
1032  P 1012  1            'REJ sent',
1033  P 1013  1
1034    1014  1            )
1035    1015  1
1036  P 1016  1            $NCP_BLDLST
1037  P 1017  1            (BMDEO,                                ! Data errors outbound
1038  P 1018  1
1039  P 1019  1            'NAKs received, header block check error',
1040  P 1020  1            'NAKs received, data field block check error',
1041  P 1021  1            'NAKs received, REP response',
1042  P 1022  1            'REJ received',
1043  P 1023  1
1044    1024  1            )
1045    1025  1
1046  P 1026  1            $NCP_BLDLST
1047  P 1027  1            (BMRBE,                                ! Remote buffer errors
1048  P 1028  1
1049  P 1029  1            'NAKs received, buffer unavailable',
1050  P 1030  1            'NAKs received, buffer too small',
1051  P 1031  1            'RNR received, buffer unavailable',
1052  P 1032  1
1053    1033  1            )
1054    1034  1
1055  P 1035  1            $NCP_BLDLST
1056  P 1036  1            (BMLBE,                                ! Local buffer errors
1057  P 1037  1
1058  P 1038  1            'NAKs sent, buffer unavailable',
1059  P 1039  1            'NAKs sent, buffer too small',
1060  P 1040  1            'RNR sent, buffer unavailable',
1061  P 1041  1
1062    1042  1            )
1063    1043  1
1064  P 1044  1            $NCP_BLDLST
1065  P 1045  1            (BMSTO,                                ! Selection timeouts
1066  P 1046  1
1067  P 1047  1            'No reply to select',
1068  P 1048  1            'Incomplete reply to select',
1069  P 1049  1
1070    1050  1            )
1071    1051  1
1072  P 1052  1            $NCP_BLDLST
1073  P 1053  1            (BMRPE,                                ! Remote process errors
1074  P 1054  1
1075  P 1055  1            'NAKs received, receive overrun',
```

```
 1076      P 1056  1              'NAKs sent, header format error',
 1077      P 1057  1              'Selection address errors',
 1078      P 1058  1              'Streaming tributaries',
 1079      P 1059  1              'Invalid N(R) received',
 1080      P 1060  1              'FRMR sent, header format error',
 1081      P 1061  1
 1082        1062  1              )
 1083
 1085        1063  1
 1084      P 1064  1              $NCP BLDLST
 1085      P 1065  1              (BMLPE,                         ! Local process errors
 1086      P 1066  1
 1087      P 1067  1              'NAKs sent, receive overrun',
 1088      P 1068  1              'Receive overruns, NAK not sent',
 1089      P 1069  1              'Transmit underruns',
 1090      P 1070  1              'NAKs received, header format error',
 1091      P 1071  1              'Receive overrun',
 1092      P 1072  1              'FRMR received, header format error',
 1093      P 1073  1
 1094        1074  1              )
 1095        1075  1
 1096      P 1076  1              $NCP BLDLST
 1097      P 1077  1              (BMRME,                         ! PCL-11B remote errors
 1098      P 1078  1
 1099      P 1079  1              'TDM bus busy',
 1100      P 1080  1              'Message rejected',
 1101      P 1081  1              'Message truncated',
 1102      P 1082  1              'Receiver offline',
 1103      P 1083  1              'Receiver busy'
 1104      P 1084  1              'Transmitter offline',
 1105        1085  1              )
 1106        1086  1
 1107      P 1087  1              $NCP BLDLST
 1108      P 1088  1              (BMLCE,                         ! PCL-11B local errors
 1109      P 1089  1
 1110      P 1090  1              'Transmitter overrun',
 1111      P 1091  1              'Transmit CRC failure',
 1112      P 1092  1              'Receive CRC failure',
 1113      P 1093  1              'Timeouts',
 1114      P 1094  1              'Non-existant memory transmit',
 1115      P 1095  1              'Non-existant memory receive',
 1116      P 1096  1              'Buffer too small',
 1117      P 1097  1              'Failed to open channel',
 1118      P 1098  1              'Memory overflow',
 1119        1099  1              )
 1120        1100  1
 1121      P 1101  1              $NCP BLDLST
 1122      P 1102  1              (BMMSE,                         ! PCL-11B master/secondary errors
 1123      P 1103  1
 1124      P 1104  1              '',
 1125      P 1105  1              'Master down',
 1126      P 1106  1              'Now master',
 1127        1107  1              )
 1128        1108  1
 1129      P 1109  1              $NCP BLDLST
 1130      P 1110  1              (BMERI,                         ! PCL-11B inbound errors
 1131      P 1111  1
 1132      P 1112  1              'Receive CRC failure',
```

```
 1133       1113  1              )
 1134       1114  1
 1135     P 1115  1              $NCP_BLDLST
 1136     P 1116  1              (BMERO,                        ! PCL-11B outbound errors
 1137     P 1117  1
 1138     P 1118  1              'Transmit CRC failure',
 1139     P 1119  1              'Timeout on word',
 1140       1120  1              )
 1141       1121  1
 1142     P 1122  1              $NCP_BLDLST
 1143     P 1123  1              (BMRTO,                        ! PCL-11B remote timeouts
 1144     P 1124  1
 1145     P 1125  1              'Receiver busy'
 1146     P 1126  1              'Transmitter offline',
 1147     P 1127  1              'Receiver offline',
 1148       1128  1              )
 1149       1129  1
 1150     P 1130  1              $NCP_BLDLST
 1151     P 1131  1              (BMBER,                        ! PCL-11B remote buffer errors
 1152     P 1132  1
 1153     P 1133  1              'Message truncated',
 1154     P 1134  1              'Message reject',
 1155       1135  1              )
 1156       1136  1
 1157     P 1137  1              $NCP_BLDLST
 1158     P 1138  1              (BMSF,                         ! NI Send failure errors
 1159     P 1139  1
 1160     P 1140  1              'Excessive collisions',
 1161     P 1141  1              'Carrier check failed',
 1162     P 1142  1              'Short circuit',
 1163     P 1143  1              'Open cicuit',
 1164     P 1144  1              'Frame too long',
 1165     P 1145  1              'Remote failure to defer',
 1166       1146  1              )
 1167       1147  1
 1168     P 1148  1              $NCP_BLDLST
 1169     P 1149  1              (BMRF,                         ! NI Receive failure errors
 1170     P 1150  1
 1171     P 1151  1              'Block check error',
 1172     P 1152  1              'Framing error'
 1175     P 1153  1              'Frame too long',
 1174       1154  1              )
```

```
 1176      1155   1
 1177      1156   1
 1178      1157   1 !
 1179      1158   1           Counters
 1180      1159   1
 1181      1160   1
 1182      1161   1 !
 1183      1162   1           Circuit counters
 1184    P 1163   1
 1185    P 1164   1           $NCP_PRMTBL
 1186    P 1165   1           (CIRCNTR,
 1187    P 1166   1
 1188    P 1167   1           CTCIR_ZER, LITB,                          'Seconds since last zeroed',
 1189    P 1168   1           CTCIR_APR, LITB,               ;          'Terminating packets received',
 1190    P 1169   1           CTCIR_DPS, LITB,               ;          'Originating packets sent',
 1191    P 1170   1           CTCIR_ACL, LITB,               ;          'Terminating congestion loss',
 1192    P 1171   1           CTCIR_CRL, LITB,               ;          'Corruption loss',
 1193    P 1172   1           CTCIR_TPR, LITB,               ;          'Transit packets received',
 1194    P 1173   1           CTCIR_TPS, LITB,               ;          'Transit packets sent',
 1195    P 1174   1           CTCIR_TCL, LITB,               ;          'Transit congestion loss',
 1196    P 1175   1           CTCIR_LDN, LITB,               ;          'Circuit down',
 1197    P 1176   1           CTCIR_IFL, LITB,               ;          'Initialization failure',
 1198    P 1177   1           CTCIR_BRC, LITB,               ;          'Bytes received',
 1199    P 1178   1           CTCIR_BSN, LITB,               ;          'Bytes sent',
 1200    P 1179   1           CTCIR_DBR, LITB,               ;          'Data blocks received',
 1201    P 1180   1           CTCIR_DBS, LITB,               ;          'Data blocks sent',
 1202    P 1181   1           CTCIR_DEI, LITB,  NCP$GA_LST_BMDEI,        'Data errors inbound'
 1203    P 1182   1           CTCIR_DEO, LITB,  NCP$GA_LST_BMDEO,        'Data errors outbound'
 1204    P 1183   1           CTCIR_RRT, LITB,               ;          'Remote reply timeouts',
 1205    P 1184   1           CTCIR_LRT, LITB,               ;          'Local reply timeouts',
 1206    P 1185   1           CTCIR_RBE, LITB,  NCP$GA_LST_BMRBE,        'Remote buffer errors',
 1207    P 1186   1           CTCIR_LBE, LITB,  NCP$GA_LST_BMLBE,        'Local buffer errors',
 1208    P 1187   1           CTCIR_SIE, LITB,               ;          'Selection intervals elapsed',
 1209    P 1188   1           CTCIR_SLT, LITB,  NCP$GA_LST_BMSTO,        'Selection timeouts',
 1210    P 1189   1           CTCIR_LIR, LITB,               ;          'Locally initiated resets'
 1211    P 1190   1           CTCIR_RIR, LITB,               ;          'Remotely initiated resets',
 1212    P 1191   1           CTCIR_NIR, LITB,               ;          'Network initiated resets',
 1213    P 1192   1           CTCIR_ERI, LITB,  NCP$GA_LST_BMERI,        'Inbound PCL errors'
 1214    P 1193   1           CTCIR_ERO, LITB,  NCP$GA_LST_BMERO,        'Outbound PCL errors',
 1215    P 1194   1           CTCIR_RTO, LITB,  NCP$GA_LST_BMRTO,        'Remote PCL timeouts',
 1216    P 1195   1           CTCIR_LTO, LITB,               ;          'Local PCL timeouts',
 1217    P 1196   1           CTCIR_BER, LITB,  NCP$GA_LST_BMBER,        'Remote PCL buffer errors',
         P 1197   1           CTCIR_BEL, LITB,               ;          'Local PCL buffer errors',
 1218    P 1198   1
 1219    P 1199   1           CTCIR_MNE, LITB,               ;          'Unrecognized frame destination',
 1220    P 1200   1           CTCIR_UBU, LITB,               ;          'User buffer unavailable',
 1221      1201   1
 1222      1202   1           )
 1223      1203   1
 1224      1203   1 !
 1225      1204   1 !
 1226      1205   1           Line counters
 1227      1205   1 !
 1228    P 1206   1           $NCP_PRMTBL
 1229    P 1207   1           (LINCNTR,
         P 1208   1
 1230    P 1209   1           CTLIN_ZER, LITB,               ;          'Seconds since last zeroed',
 1231    P 1210   1           CTLIN_APR, LITB,               ;          'Arriving packets received',
 1232    P 1211   1           CTLIN_DPS, LITB,               ;          'Departing packets sent',
```

NCPTABLES     Text Tables                       E 14
V04-000         Parameter Text Tables             16-Sep-1984 01:49:58    VAX-11 Bliss-32 V4.0-742         Page 32
                                            14-Sep-1984 12:48:33    [NCP.SRC]NCPTABLES.B32;1           (22)

```
1233   P 1212  1      CTLIN_ACL, LITB,                       'Arriving congestion loss',
1234   P 1213  1      CTLIN_TPR, LITB,            ;          'Transit packets received',
1235   P 1214  1      CTLIN_TPS, LITB,            ;          'Transit packets sent',
1236   P 1215  1      CTLIN_TCL, LITB,            ;          'Transit congestion loss',
1237   P 1216  1      CTLIN_LDN, LITB,            ;          'Line down',
1238   P 1217  1      CTLIN_IFL, LITB,            ;          'Initialization failure',
1239   P 1218  1      CTLIN_BRC, LITB,            ;          'Bytes received',
1240   P 1219  1      CTLIN_BSN, LITB,            ;          'Bytes sent',
1241   P 1220  1      CTLIN_MBY, LITB,            ;          'Multicast bytes received',        ! 1002
1242   P 1221  1      CTLIN_DBR, LITB,            ;          'Data blocks received',
1243   P 1222  1      CTLIN_DBS, LITB,            ;          'Data blocks sent',
1244   P 1223  1      CTLIN_MBL, LITB,            ;          'Multicast blocks received',       ! 1012
1245   P 1224  1      CTLIN_BID, LITB,            ;          'Blocks sent, initially deferred', ! 1013
1246   P 1225  1      CTLIN_BS1, LITB,            ;          'Blocks sent, single collision',   ! 1014
1247   P 1226  1      CTLIN_BSM, LITB,            ;          'Blocks sent, multiple collision', ! 1015
1248   P 1227  1      CTLIN_DEI, LITB, NCP$GA_LST_BMDEI,     'Data errors inbound'
1249   P 1228  1      CTLIN_DEO, LITB, NCP$GA_LST_BMDEO,     'Data errors outbound',
1250   P 1229  1      CTLIN_RRT, LITB,            ;          'Remote reply timeouts',
1251   P 1230  1      CTLIN_LRT, LITB,            ;          'Local reply timeouts',
1252   P 1231  1      CTLIN_RBE, LITB, NCP$GA_LST_BMRBE,     'Remote buffer errors',
1253   P 1232  1      CTLIN_LBE, LITB, NCP$GA_LST_BMLBE,     'Local buffer errors',
1254   P 1233  1      CTLIN_SIE, LITB,            ;          'Selection intervals elapsed',
1255   P 1234  1      CTLIN_SLT, LITB, NCP$GA_LST_BMSTO,     'Selection timeouts',
1256   P 1235  1      CTLIN_SFL, LITB, NCP$GA_LST_BMSF,      'Send failure',                    ! 1060
1257   P 1236  1      CTLIN_CDC, LITB,            ;          'Collision detect check failure',  ! 1061
1258   P 1237  1      CTLIN_RFL, LITB, NCP$GA_LST_BMRF,      'Receive failure',                 ! 1062
1259   P 1238  1      CTLIN_UFD, LITB,            ;          'Unrecognized frame destination',  ! 1063
1260   P 1239  1      CTLIN_OVR, LITB,            ;          'Data overrun',                    ! 1064
1261   P 1240  1      CTLIN_SBU, LITB,            ;          'System buffer unavailable',       ! 1065
1262   P 1241  1      CTLIN_UBU, LITB,            ;          'User buffer unavailable',         ! 1066
1263   P 1242  1      CTLIN_RPE, LITB, NCP$GA_LST_BMRPE,     'Remote process errors',
1264   P 1243  1      CTLIN_LPE, LITB, NCP$GA_LST_BMLPE,     'Local process errors',
1265   P 1244  1      CTLIN_RME, LITB, NCP$GA_LST_BMRME,     'Remote PCL errors',
1266   P 1245  1      CTLIN_LCE, LITB, NCP$GA_LST_BMLCE,     'Local PCL errors',
1267   P 1246  1      CTLIN_MSE, LITB, NCP$GA_LST_BMMSE,     'PCL master/secondary errors',
1268   P 1247  1
1269     1248  1      CTLIN_MBS, LITB,            ;          'Multicast blocks sent',
1270   P 1249  1      CTLIN_MSN, LITB,            ;          'Multicast bytes sent',
1271   P 1250  1
1272     1251  1      )
1273     1252  1
1274     1253  1
1275     1254  1      Node counters
1276     1255  1
1277   P 1256  1      $NCP_PRMTBL
1278   P 1257  1      (NODCNTR,
1279   P 1258  1
1280   P 1259  1      CTNOD_ZER, LITB,            ;          'Seconds since last zeroed',
1281   P 1260  1      CTNOD_BRC, LITB,            ;          'Bytes received',
1282   P 1261  1      CTNOD_BSN, LITB,            ;          'Bytes sent',
1283   P 1262  1      CTNOD_MRC, LITB,            ;          'Messages received',
1284   P 1263  1      CTNOD_MSN, LITB,            ;          'Messages sent',
1285   P 1264  1      CTNOD_CRC, LITB,            ;          'Connects received',
1286   P 1265  1      CTNOD_CSN, LITB,            ;          'Connects sent',
1287   P 1266  1      CTNOD_RTO, LITB,            ;          'Response timeouts',
1288   P 1267  1      CTNOD_RSE, LITB,            ;          'Received connect resource errors',
1289   P 1268  1      CTNOD_MLL, LITB,            ;          'Maximum logical links active',
```

```
1290   P 1269  1        CTNOD_APL, LITB,         ;        'Aged packet loss',
1291   P 1270  1        CTNOD_NUL, LITB,         ;        'Node unreachable packet loss',
1292   P 1271  1        CTNOD_NOL, LITB,         ;        'Node out-of-range packet loss',
1293   P 1272  1        CTNOD_OPL, LITB,         ;        'Oversized packet loss',
1294   P 1273  1        CTNOD_PFE, LITB,         ;        'Packet format error',
1295   P 1274  1        CTNOD_RUL, LITB,         ;        'Partial routing update loss',
1296   P 1275  1        CTNOD_VER, LITB,         ;        'Verification reject',
1297   P 1276  1
1298   PP 1277 1        !
1299   P 1278  1        ! Server Base Specific Executor Node Counters
1300   P 1279  1        !
1301   P 1280  1        CTNOD_SRV_SYC, HIGH,     ;        'Control buffer failures',
1302   P 1281  1        CTNOD_SRV_SYS, HIGH,     ;        'Small buffer failures',
1303   P 1282  1        CTNOD_SRV_SYL, HIGH,     ;        'Large buffer failures',
1304   P 1283  1        CTNOD_SRV_SYR, HIGH,     ;        'Receive buffer failures',
1305   P 1284  1
1306     1285  1        )
1307     1286  1
1308     1287  1  !
1309     1288  1        Module X25-Protocol counters
1310     1289  1  !
1311   P 1290  1        $NCP_PRMTBL
1312   P 1291  1        (MPRCNTR,
1313   P 1292  1
1314   P 1293  1
1315   P 1294  1        CTXP_ZER, LITB,          ;        'Seconds since last zeroed',
1316   P 1295  1        CTXP_BRC, LITB,          ;        'Bytes received',
1317   P 1296  1        CTXP_BSN, LITB,          ;        'Bytes sent',
1318   P 1297  1        CTXP_BLR, LITB,          ;        'Data blocks received',
1319   P 1298  1        CTXP_BLS, LITB,          ;        'Data blocks sent',
1320   P 1299  1        CTXP_CRC, LITB,          ;        'Calls received',
1321   P 1300  1        CTXP_CSN, LITB,          ;        'Calls sent',
1322   P 1301  1        CTXP_FSR, LITB,          ;        'Fast selects received',
1323   P 1302  1        CTXP_FSS, LITB,          ;        'Fast selects sent',
1324   P 1303  1        CTXP_MSA, LITB,          ;        'Maximum switched circuits active',
1325   P 1304  1        CTXP_MCA, LITB,          ;        'Maximum channels active',
1326   P 1305  1        CTXP_RSE, LITB,          ;        'Received call resource errors',
1327   P 1306  1        CTXP_LIR, LITB,          ;        'Locally initiated resets',
1328   P 1307  1        CTXP_RIR, LITB,          ;        'Remotely initiated resets',
1329   P 1308  1        CTXP_NIR, LITB,          ;        'Network initiated resets',
1330   P 1309  1        CTXP_RST, LITB,          ;        'Restarts',
1331   P 1310  1
1332     1311  1        )
1333     1312  1
1334     1313  1  !
1335     1314  1        Module X25-Server counters
1336     1315  1  !
1337   P 1316  1        $NCP_PRMTBL
1338   P 1317  1        (MSECNTR,
1339   P 1318  1
1340   P 1319  1
1341   P 1320  1        CTXS_ZER, LITB,          ;        'Seconds since last zeroed',
1342   P 1321  1        CTXS_MCA, LITB,          ;        'Maximum circuits active',
1343   P 1322  1        CTXS_ICR, LITB,          ;        'Incoming calls rejected, no resources',
1344   P 1323  1        CTXS_LLR, LITB,          ;        'Logical links rejected, no resources',
1345   P 1324  1
1346     1325  1        )
```

; 1347          1326  1

```
 1349      1327  1
 1350      1328  1
 1351      1329  1                      Parameter keyword tables
 1352      1330  1
 1353      1331  1
 1354      1332  1
 1355   P  1333  1                      $NCP_BLDTBL
 1356      1334  1
 1357   P  1335  1                      (CIRPOL,                        ! Circuit polling state
 1358   P  1336  1
 1359   P  1337  1                      1,      'automatic',
 1360   P  1338  1                      2,      'active',
 1361   P  1339  1                      3,      'inactive',
 1362   P  1340  1                      4,      'dying',
 1363   P  1341  1                      5,      'dead',
 1364      1342  1
 1365      1343  1                      )
 1366      1344  1
 1367   P  1345  1                      $NCP_BLDTBL
 1368   P  1346  1
 1369   P  1347  1                      (CIRPLS,                        ! Circuit polling substate
 1370   P  1348  1
 1371   P  1349  1                      1,      'active',
 1372   P  1350  1                      2,      'inactive',
 1373   P  1351  1                      3,      'dying',
 1374   P  1352  1                      4,      'dead',
 1375   P  1353  1
 1376      1354  1                      )
 1377      1355  1
 1378   P  1356  1                      $NCP_BLDTBL
 1379   P  1357  1
 1380   P  1358  1                      (CIRBLK,                        ! Circuit blocking
 1381   P  1359  1
 1382   P  1360  1                      0,      'enabled'
 1383   P  1361  1                      1,      'disabled',
 1384   P  1362  1
 1385      1363  1                      )
 1386      1364  1
 1387   P  1365  1                      $NCP_BLDTBL
 1388   P  1366  1
 1389   P  1367  1                      (CIRUSE,                        ! Circuit usage
 1390   P  1368  1
 1391   P  1369  1                      0,      'permanent',
 1392   P  1370  1                      1,      'incoming',
 1393   P  1371  1                      2,      'outgoing',
 1394   P  1372  1
 1395      1373  1                      )
 1396      1374  1
 1397   P  1375  1                      $NCP_BLDTBL
 1398   P  1376  1
 1399   P  1377  1                      (CIRTYP,                        ! Circuit type
 1400   P  1378  1
 1401   P  1379  1                      0,      'DDCMP point'
 1402   P  1380  1                      1,      'DDCMP control',
 1403   P  1381  1                      2,      'DDCMP tributary',
 1404   P  1382  1                      3,      'X.25',
 1405   P  1383  1                      4,      'DDCMP DMC compatible',
```

```
 1406    P 1384   1        5.      'LAPB',
 1407    P 1385   1        6.      'Ethernet',
 1408    P 1386   1
 1409      1387   1        )
 1410      1388   1
 1411    P 1389   1        $NCP_BLDTBL
 1412    P 1390   1
 1413    P 1391   1        (CIRVER,                        ! Circuit verification state
 1414      1392   1
 1415    P 1393   1        0.      'enabled'
 1416    P 1394   1        1.      'disabled',
 1417      1395   1        )
 1418      1396   1
 1419    P 1397   1        $NCP_BLDTBL
 1420    P 1398   1
 1421    P 1399   1        (CIRXPT,                        ! Circuit (desired) transport type
 1422    P 1400   1
 1423    P 1401   1        1.      'Z-node'
 1424    P 1402   1        2.      'Phase II'              ! Force Phase II on this circuit
 1425    P 1403   1        3.      'Routing III',
 1426    P 1404   1        4.      'Phase IV',             ! Nonrouting Phase IV
 1427    P 1405   1
 1428      1406   1        )
 1429      1407   1
 1430    P 1408   1        $NCP_BLDTBL
 1431    P 1409   1
 1432    P 1410   1        (LINSTA,                        ! Line state
 1433    P 1411   1
 1434    P 1412   1        0.      'on'
 1435    P 1413   1        1.      'off'
 1436    P 1414   1        2.      'service',
 1437    P 1415   1        3.      'cleared',
 1438    P 1416   1
 1439      1417   1        )
 1440      1418   1
 1441    P 1419   1        $NCP_BLDTBL
 1442    P 1420   1
 1443    P 1421   1        (LINSUB,                        ! Line substate
 1444    P 1422   1
 1445    P 1423   1        0.      '-starting',
 1446    P 1424   1        1.      '-reflecting',
 1447    P 1425   1        2.      '-looping',
 1448    P 1426   1        3.      '-loading',
 1449    P 1427   1        4.      '-dumping',
 1450    P 1428   1        5.      '-triggering'
 1451    P 1429   1        6.      '-autoservice',
 1452    P 1430   1        7.      '-autoloading',
 1453    P 1431   1        8.      '-autodumping',
 1454    P 1432   1        9.      '-autotriggering',
 1455    P 1433   1        10.     '-synchronizing',
 1456    P 1434   1        11.     '-failed',
 1457    P 1435   1
 1458      1436   1        )
 1459      1437   1
 1460    P 1438   1        $NCP_BLDTBL
 1461    P 1439   1
 1462    P 1440   1        (LINSVC,                        ! Service state
```

```
1463    P 1441   1                0.        'enabled'
1464    P 1442   1                1.        'disabled',
1465    P 1443   1
1466      1444   1                )
1467      1445   1
1468      1446   1
1469    P 1447   1                $NCP_BLDTBL
1470    P 1448   1
1471    P 1449   1                (LINCTL,                          ! Controller mode
1472      1450   1
1473    P 1451   1                0.        'normal'.
1474    P 1452   1                1.        'loopback',
1475    P 1453   1
1476      1454   1                )
1477      1455   1
1478      1456   1
1479    P 1457   1                $NCP_BLDTBL
1480    P 1458   1
1481    P 1459   1                (LINDPX,                          ! Line duplex mode
1482    P 1460   1
1483    P 1461   1                0.        'full'.
1484    P 1462   1                1.        'half'.
1485    P 1463   1
1486      1464   1                )
1487      1465   1
1488    P 1466   1                $NCP_BLDTBL
1489    P 1467   1
1490    P 1468   1                (LINCLO,                          ! Line clock mode
1491    P 1469   1
1492    P 1470   1                0.        'external'.
1493    P 1471   1                1.        'internal',
1494    P 1472   1
1495      1473   1                )
1496      1474   1
1497    P 1475   1                $NCP_BLDTBL
1498    P 1476   1
1499    P 1477   1                (LINTYP,                          ! Line type
1500    P 1478   1
1501    P 1479   1                0.        'point'.
1502    P 1480   1                1.        'control'.
1503    P 1481   1                2.        'tributary'.
1504    P 1482   1                3.        'DMC compatible mode',
1505    P 1483   1
1506      1484   1                )
1507      1485   1
1508    P 1486   1                $NCP_BLDTBL
1509    P 1487   1
1510    P 1488   1                (LINPRO,                          ! Line protocol
1511    P 1489   1
1512    P 1490   1                0.        'DDCMP point'.
1513    P 1491   1                1.        'DDCMP control'.
1514    P 1492   1                2.        'DDCMP tributary'.
1515    P 1493   1                3.        'X.25'.
1516    P 1494   1                4.        'DDCMP DMC compatible'.
1517    P 1495   1                5.        'LAPB'.
1518    P 1496   1                6.        'Ethernet',
1519    P 1497   1
```

```
 1520          1498  1              )
 1521          1499  1
 1522     P    1500  1              $NCP_BLDTBL
 1523     P P  1501  1
 1524     P P  1502  1              (LINMOD,                  ! X25 line mode
 1525     P P  1503  1
 1526     P P  1504  1              1:        'DTE',
 1527     P P  1505  1              2:        'DCE',
 1528     P P  1506  1              3:        'DTE loopback',
 1529     P P  1507  1              4:        'DCE loopback',
 1530     P    1508  1              )
 1531          1509  1
 1532          1510  1
 1533     P    1511  1              $NCP_BLDTBL
 1534     P P  1512  1
 1535     P P  1513  1              (LINLOC,                  ! Line Location /RSX parameter
 1536     P P  1514  1
 1537     P P  1515  1              0:        'firstfit',
 1538     P P  1516  1              1:        'topdown',
 1539     P    1517  1
 1540          1518  1              )
```

```
1542        P 1519  1       $NCP_BLDTBL
1543        P 1520  1
1544        P 1521  1       (LOGSTA,                        ! Logging state
1545        P 1522  1
1546        P 1523  1       0,      'on'
1547        P 1524  1       1,      'off'
1548        P 1525  1       2,      'hold',
1549        P 1526  1
1550                1       )
1551                1
1552        P 1529  1       $NCP_BLDTBL
1553        P 1530  1
1554        P 1531  1       (LNKSTA,                        ! Link state
1555        P 1532  1
1556        P 1533  1       0,      'closed'
1557        P 1534  1       1,      'CI sending',
1558        P 1535  1       2,      'CI ACKed',
1559        P 1536  1       3,      'CI received',
1560        P 1537  1       4,      'CC sending',
1561        P 1538  1       5,      'run',
1562        P 1539  1       6,      'DI received',
1563        P 1540  1       7,      'DI sending',
1564        P 1541  1
1565                1       )
1566                1
1567        P 1544  1       $NCP_BLDTBL
1568        P 1545  1
1569        P 1546  1       (MPRSTA,                        ! X25-Protocol state
1570        P 1547  1
1571        P 1548  1       0,      'on'
1572        P 1549  1       1,      'off'
1573        P 1550  1       2,      'shut',
1574        P 1551  1
1575                1       )
1576                1
1577        P 1554  1       $NCP_BLDTBL
1578        P 1555  1
1579        P 1556  1       (MPRTYP,                        ! X25-Protocol type
1580        P 1557  1
1581        P 1558  1       1,      'bilateral',
1582        P 1559  1
1583                1       )
1584                1
1585        P 1562  1       $NCP_BLDTBL
1586        P 1563  1
1587        P 1564  1       (MPRMNS,                        ! Multi-Network Support
1588        P 1565  1
1589        P 1566  1       0,      'enabled'
1590        P 1567  1       1,      'disabled',
1591        P 1568  1
1592                1       )
1593                1
1594        P 1571  1       $NCP_BLDTBL
1595        P 1572  1
1596        P 1573  1       (MPRSBS,                        ! X25-Protocol Substate
1597        P 1574  1
1598        P 1575  1       12,     '-running',
```

```
  1599      P 1576  1         10;       '-synchronizing',
  1600      P 1577  1         13;       '-unsynchronized',
  1601      P 1578  1
  1602        1579  1         )
  1603        1580  1
  1604      P 1581  1         $NCP_BLDTBL
  1605      P 1582  1
  1606      P 1583  1         (MSEPAS,                           ! X25-Server password
  1607      P 1584  1
  1608      P 1585  1         0,        '(password set)',
  1609      P 1586  1
  1610        1587  1         )
  1611        1588  1
  1612        1589  1
  1613      P 1590  1         $NCP_BLDTBL
  1614      P 1591  1
  1615      P 1592  1         (MLOASS,                           ! Module loader assistance flag,
  1616      P 1593  1                                            !  Module looper assistance flag and
  1617      P 1594  1                                            !  Module configurator surveillance flag
  1618      P 1595  1         0,        'enabled'
  1619      P 1596  1         1;        'disabled',
  1620      P 1597  1
  1621        1598  1         )
  1622        1599  1
  1623      P 1600  1         $NCP_BLDTBL
  1624      P 1601  1
  1625      P 1602  1         (MCOPRC,                           ! Module configurator system processor
  1626      P 1603  1
  1627      P 1604  1         1,        'PDP-11',
  1628      P 1605  1         2;        'Pluto',
  1629      P 1606  1
  1630      P 1607  1         )
  1631        1608  1
  1632      P 1609  1         $NCP_BLDTBL
  1633      P 1610  1
  1634      P 1611  1         (MCODAT,                           ! Module configurator data link type
  1635      P 1612  1
  1636      P 1613  1         1,        'Ethernet',             ! (DEC ethernet)
  1637      P 1614  1         2;        'DDCMP',
  1638      P 1615  1         3;        'LAPB',                 ! (frame level of X.25)
  1639      P 1616  1
  1640        1617  1         )
  1641        1618  1
  1642      P 1619  1         $NCP_BLDTBL
  1643      P 1620  1
  1644      P 1621  1         (NODSTA,                           ! Node state
  1645      P 1622  1
  1646      P 1623  1         0,        'on'
  1647      P 1624  1         1;        'off',
  1648      P 1625  1         2;        'shut'
  1649      P 1626  1         3;        'restricted',
  1650      P 1627  1         4;        'reachable',
  1651      P 1628  1         5;        'unreachable',
  1652      P 1629  1
  1653        1630  1         )
  1654        1631  1
  1655      P 1632  1         $NCP_BLDTBL
```

```
: 1656      P 1633  1
: 1657      P 1634  1        (NODHLP,                        ! Node loop help
: 1658      P 1635  1
: 1659      P 1636  1        0,          'transmit',
: 1660      P 1637  1        1,          'receive',
: 1661      P 1638  1        2,          'full',
: 1662      P 1639  1
: 1663        1640  1        )
: 1664        1641  1
: 1665      P 1642  1        $NCP_BLDTBL
: 1666      P 1643  1
: 1667      P 1644  1        (NODTYP,                        ! Node type
: 1668      P 1645  1
: 1669      P 1646  1        0,          'routing III'
: 1670      P 1647  1        1,          'nonrouting III',
: 1671      P 1648  1        2,          'phase II',
: 1672      P 1649  1        3,          'area',
: 1673      P 1650  1        4,          'routing IV'
: 1674      P 1651  1        5,          'nonrouting IV',
: 1675      P 1652  1
: 1676        1653  1        )
: 1677        1654  1
: 1678      P 1655  1        $NCP_BLDTBL
: 1679      P 1656  1
: 1680      P 1657  1        (NODACC,                        ! Node access
: 1681      P 1658  1
: 1682      P 1659  1        0,          'none'
: 1683      P 1660  1        1,          'incoming',
: 1684      P 1661  1        2,          'outgoing',
: 1685      P 1662  1        3,          'incoming and outgoing',
: 1686      P 1663  1        4,          'required',
: 1687      P 1664  1
: 1688        1665  1        )
: 1689        1666  1
: 1690      P 1667  1        $NCP_BLDTBL
: 1691      P 1668  1
: 1692      P 1669  1        (SVCDEV,                        ! Service device type
: 1693      P 1670  1
: 1694      P 1671  1        0,          'DP11',
: 1695      P 1672  1        1,          'UNA'
: 1696      P 1673  1        2,          'DU11',
: 1697      P 1674  1        4,          'DL11',
: 1698      P 1675  1        6,          'DQ11',
: 1699      P 1676  1        8,          'DA11',
: 1700      P 1677  1        10,         'DUP11',
: 1701      P 1678  1        12,         'DMC11',
: 1702      P 1679  1        18,         'DMP11',
: 1703      P 1680  1        20,         'DTE20',
: 1704      P 1681  1        32,         'KL8J',
: 1705      P 1682  1        34,         'DMV11'
: 1706      P 1683  1        36,         'DPV11',
: 1707      P 1684  1        38,         'DMF32',
: 1708      P 1685  1
: 1709        1686  1        )
: 1710        1687  1
: 1711      P 1688  1        $NCP_BLDTBL
: 1712      P 1689  1
```

```
1713        P 1690  1              (NODSNV,                         ! Service node version
1714        P 1691  1
1715        P 1692  1              0,      'Phase III',
1716        P 1693  1              1,      'Phase IV',
1717        P 1694  1
1718          1695  1              )
1719          1696  1
1720        P 1697  1              $NCP_BLDTBL
1721        P 1698  1
1722        P 1699  1              (CPUTYP,                         ! CPU type
1723        P 1700  1
1724        P 1701  1              0,      'PDP-8',
1725        P 1702  1              1,      'PDP-11',
1726        P 1703  1              2,      'DECsystem 10/20',
1727        P 1704  1              3,      'VAX-11',
1728        P 1705  1
1729          1706  1              )
1730          1707  1
1731        P 1708  1              $NCP_BLDTBL
1732        P 1709  1
1733        P 1710  1              (SOFTYP,                         ! Software type
1734        P 1711  1
1735        P 1712  1              0,      'secondary loader',
1736        P 1713  1              1,      'tertiary loader',
1737        P 1714  1              2,      'system',
1738        P 1715  1
1739          1716  1              )
1740          1717  1
1741        P 1718  1              $NCP_BLDTBL
1742        P 1719  1
1743        P 1720  1              (LOODAT,                         ! Loop data type
1744        P 1721  1
1745        P 1722  1              0,      'zeroes',
1746        P 1723  1              1,      'ones',
1747        P 1724  1              2,      'mixed',
1748        P 1725  1
1749          1726  1              )
1750          1727  1
1751        P 1728  1              $NCP_BLDTBL
1752        P 1729  1
1753        P 1730  1              (EVESOUR,                        ! Event Source type
1754        P 1731  1
1755        P 1732  1              0,      'Source node = ',
1756        P 1733  1              1,      'Source line = ',
1757        P 1734  1              3,      'Source circuit = ',
1758        P 1735  1              %X'FF', ' ',                     ! No source
1759          1736  1              )
1760          1737  1
1761        P 1738  1              $NCP_BLDTBL
1762        P 1739  1
1763        P 1740  1              (CNFFCT,                         ! Module Configurator Functions
1764        P 1741  1
1765        P 1742  1              0,      'Loop',
1766        P 1743  1              1,      'Dump',
1767        P 1744  1              2,      'Primary loader',
1768        P 1745  1              3,      'Multi-block loader',
1769        P 1746  1              4,      'Boot',
```

```
: 1770     P 1747  1          5.         'Console carrier',
: 1771     P 1748  1          6.         'Data link counters',
: 1772     P 1749  1          7.         'Console carrier reservation',
: 1773     P 1750  1
: 1774       1751  1          )
: 1775       1752  1
: 1776       1753  1
: 1777     P 1754  1          $NCP_BLDTBL
: 1778     P 1755  1
: 1779     P 1756  1          (MON,
: 1780     P 1757  1
: 1781     P 1758  1          1.         'Jan'.
: 1782     P 1759  1          2.         'Feb'.
: 1783     P 1760  1          3.         'Mar'.
: 1784     P 1761  1          4.         'Apr'.
: 1785     P 1762  1          5.         'May'.
: 1786     P 1763  1          6.         'Jun'.
: 1787     P 1764  1          7.         'Jul'.
: 1788     P 1765  1          8.         'Aug'.
: 1789     P 1766  1          9.         'Sep'.
: 1790     P 1767  1          10.        'Oct'.
: 1791     P 1768  1          11.        'Nov'.
: 1792     P 1769  1          12.        'Dec'.
: 1793     P 1770  1
: 1794       1771  1          )
```

```
  1796          1772  1  %SBTTL  'Tables for Phase II Communication'
  1797          1773  1
  1798      P 1774  1  $NCP_BLDTBL                          ! Error status table
  1799      P 1775  1  (PH2STS,
  1800      P 1776  1
  1801      P 1777  1  (-1) AND 255,   'invalid function or option',
  1802      P 1778  1  (-2) AND 255,   'invalid message format',
  1803      P 1779  1  (-3) AND 255,   'insufficient status',
  1804      P 1780  1  (-4) AND 255,   'dialogue message out of order',
  1805      P 1781  1  (-5) AND 255,   'NICE process program error',
  1806      P 1782  1  (-6) AND 255,   'illegal error code',
  1807      P 1783  1  (-7) AND 255,   'invalid error code',
  1808      P 1784  1  (-8) AND 255,   'invalid line identification',
  1809      P 1785  1  (-9) AND 255,   'line in wrong state',
  1810      P 1786  1  (-10) AND 255,  'line communications error',
  1811      P 1787  1  (-11) AND 255,  'invalid node identification',
  1812      P 1788  1  (-12) AND 255,  'invalid server identification',
  1813      P 1789  1  (-13) AND 255,  'invalid file',
  1814      P 1790  1  (-14) AND 255,  'configuration database error',
  1815      P 1791  1  (-15) AND 255,  'resource error',
  1816      P 1792  1  (-16) AND 255,  'invalid parameter value',
  1817      P 1793  1  (-17) AND 255,  'line protocol error',
  1818      P 1794  1  (-18) AND 255,  'file i/o error',
  1819      P 1795  1  (-19) AND 255,  'network communications error',
  1820      P 1796  1  (-20) AND 255,  'no room for new entry',
  1821      P 1797  1  (-21) AND 255,  'remote NICE process not available',
  1822      P 1798  1
  1823          1799  1  )
```

```
: 1825        1800  1
: 1826    P   1801  1  $NCP_BLDTBL                    ! Executor counters
: 1827    P   1802  1  (PH2EXECOU,
: 1828    P   1803  1
: 1829    P   1804  1  0.      'Seconds since last zeroed',
: 1830    P   1805  1  1.      'User messages sent',
: 1831    P   1806  1  2.      'User messages received',
: 1832    P   1807  1  3.      'Messages routed through',
: 1833    P   1808  1  4.      'Extraneous messages received',
: 1834    P   1809  1  5.      'Negative acknowledgements sent',
: 1835    P   1810  1  6.      'Messages timed out',
: 1836    P   1811  1  7.      'Unknown destination node',
: 1837    P   1812  1  8.      'Format errors in routing data',
: 1838    P   1813  1  9.      'Format errors other than routing',
: 1839    P   1814  1  10.     'Resource errors',
: 1840    P   1815  1  11.     'Successful neighbor initializations',
: 1841    P   1816  1  12.     'Unsuccessful neighbor initializations',
: 1842    P   1817  1  13.     'Currently active logical links',
: 1843    P   1818  1  14.     'Maximum logical links active',
: 1844    P   1819  1  15.     'Single messages send',
: 1845    P   1820  1  16.     'Single messages received',
: 1846    P   1821  1  17.     'Connects initiated',
: 1847    P   1822  1  18.     'Connects received',
: 1848    P   1823  1  64.     'Number of currently connected remotes',
: 1849    P   1824  1  65.     'Number of bytes transmitted',
: 1850    P   1825  1  66.     'Number of bytes received',
: 1851    P   1826  1  67.     'Number of bytes allocated for buffers',
: 1852    P   1827  1  68.     'Number of successful allocation attempts',
: 1853    P   1828  1  69.     'Number of unsuccessful buffer allocation attempts',
: 1854    P   1829  1
: 1855        1830  1  )
```

```
: 1857            1831  1
: 1858          P 1832  1  $NCP_BLDTBL                           ! Line counters
: 1859          P 1833  1  (PH2LINCOU,
: 1860          P 1834  1
: 1861          P 1835  1  0.      'Seconds since last zeroed',
: 1862          P 1836  1  1.      'Blocks received',
: 1863          P 1837  1  2.      'Blocks sent',
: 1864          P 1838  1  3.      'Retransmissions, line errors',
: 1865          P 1839  1  4.      'Received line errors',
: 1866          P 1840  1  5.      'Retransmissions, other than line errors and parity',
: 1867          P 1841  1  6.      'Receive timeouts',
: 1868          P 1842  1  7.      'Receive selection errors',
: 1869          P 1843  1  8.      'Resource errors',
: 1870          P 1844  1  64.     'Naks received--no buffer available',
: 1871          P 1845  1  65.     'Naks received--bad buffer bcc',
: 1872          P 1846  1  66.     'Naks received--bad data bcc',
: 1873          P 1847  1  67.     'Naks send--no buffers available',
: 1874          P 1848  1  68.     'Naks sent--bad header bcc',
: 1875          P 1849  1  69.     'Naks sent--bad data bcc',
: 1876          P 1850  1  70.     'Reps sent',
: 1877          P 1851  1  71.     'Reps received',
: 1878          P 1852  1
: 1879            1853  1  )
```

```
: 1881        1854  1
: 1882    P   1855  1   $NCP_BLDTBL                    ! Line type codes
: 1883    P   1856  1   (PH2LINES,
: 1884    P   1857  1
: 1885    P   1858  1   0.      'DP'.
: 1886    P   1859  1   2.      'DU'.
: 1887    P   1860  1   6.      'DQ'.
: 1888    P   1861  1   8.      'DA'.
: 1889    P   1862  1   10.     'DUP'.
: 1890    P   1863  1   12.     'DMC'.
: 1891    P   1864  1   14.     'DLV'.
: 1892    P   1865  1   18.     'KL'.
: 1893    P   1866  1   20.     'DT'.
: 1894    P   1867  1   22.     'DV'.
: 1895    P   1868  1   24.     'DZ'.
: 1896    P   1869  1   28.     'KDP'.
: 1897    P   1870  1   30.     'KDZ'.
: 1898    P   1871  1
: 1899        1872  1   )
```

```
: 1901     1873  1 %SBTTL 'Object Listing of Tables'
: 1902     1874  1
: 1903     1875  1 END                              !End of module
: 1904     1876  0 ELUDOM
```

NCPSTANOD
LIS

NCPSTAVRB
LIS

NCPSTASHL
LIS

NCPSTAOBJ
LIS

NCPSTATRI
LIS

NCPSTAZER
LIS

NCPTERMIO
LIS

NCPTABLES
LIS

NCPURBACT
LIS